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PROVINCE OF SASKATCHEWAN

ANNUAL REPORT
OF THE
**Department of Public
Health**

ANNUAL REPORT OF THE REGISTRAR GENERAL FOR
CALENDAR YEAR 1945 IS PRINTED SEPARATELY.

FOR THE CALENDAR YEAR

1945



REGINA:
THOS. H. McCONICA, King's Printer
1947

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Organization

Minister of Public Health.....	Hon. T. C. Douglas, M.A.
Deputy Minister and Registrar General.....	C. F. W. Hames, M.D., D.P.H.
Assistant Deputy Minister.....	C. J. Kirk, M.D.
Director of Nursing Services.....	Miss E. Smith, Reg.N.
Director of Sanitation.....	J. G. Schaeffer, B.Sc.
Director, Division of Communicable Disease and Division of Venereal Disease.....	F. C. Middleton, M.D., D.P.H.
Supervisor of Provincial Hospitals and Institutions and Director of Hospital Administration.....	C. C. Gibson
Director of Health Education.....	C. Smith
Provincial Nutritionist.....	Miss H. J. Oddie, B.H.Sc.
Acting Director of Industrial Hygiene.....	G. W. Rogers, M.A.
Director of Vital Statistics.....	W. C. N. Reed
Director of Laboratories.....	W. A. Riddell, M.Sc., Ph.D.
Director of Physical Fitness.....	J. B. Kirkpatrick, Ed.D
Director of Medical Services.....	A. J. McDougal, M.D.
Pilot and Supervisor of Air Ambulance Service	D. K. Malcolm
Chief Clerk.....	W. Sandstrom

MENTAL HYGIENE

Commissioner of Mental Services.....	R. O. Davison, M.D.
Superintendent, Sask. Mental Hospital, North Battleford, Saskatchewan.....	G. F. Nelson, M.D.
Superintendent, Sask. Mental Hospital, Weyburn, Saskatchewan.....	A. D. Campbell, M.D.
Director, Psychopathic Ward, Regina.....	O. E. Rothwell, M.D.,

SASKATCHEWAN CANCER COMMISSION

Chairman.....	C. F. W. Hames, M.D., D.P.H.
Member.....	A. W. Blair, M.D.
Member.....	H. C. George, M.D.
Member.....	E. W. Spencer, M.D.
Secretary.....	F. C. Middleton, M.D., D.P.H.

HEALTH SERVICES PLANNING COMMISSION

Member.....	C. F. W. Hames, M.D., D.P.H.
Member.....	C. J. Kirk, M.D.
Member.....	T. H. McLeod, M.A.
Member.....	C. C. Gibson
Member and Secretary.....	M. C. Sheps, M.D.

ACTS ADMINISTERED

1. The Public Health Act.
2. The Hospitals Act.
3. The Union Hospital Act.
4. The Tuberculosis Sanatoria and Hospitals Act.
5. The Venereal Diseases Act.
6. The Vital Statistics Act.
7. The Marriage Act.
8. The Mental Hygiene Act.
9. The Anatomy Act.
10. The Cancer Control Act.
11. The Health Services Act.
12. The Physical Fitness Act.
13. The Mutual Medical and Hospital Benefit Associations Act.
14. The Municipal Medical and Hospital Services Act.
15. The Physical Therapists Act.
16. The Saskatchewan Health Insurance Act.

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DEPARTMENT OF PUBLIC HEALTH,
REGINA, *March 15, 1947.*

TO HIS HONOUR,
R. J. M. PARKER,
Lieutenant Governor of Saskatchewan.

MAY IT PLEASE YOUR HONOUR,—

I beg to present herewith for your consideration the annual report of the Department of Public Health for the calendar year 1945.

Respectfully submitted,

T. C. DOUGLAS,
Minister of Public Health.

DEPARTMENT OF PUBLIC HEALTH,
REGINA, *March 15, 1947.*


HONOURABLE T. C. DOUGLAS,
Minister of Public Health.

Sir,—

I have the honour to forward herewith the annual report of the Department of Public Health for the calendar year 1945.

Respectfully submitted,

C. F. W. HAMES, M.D., D.P.H.,
Deputy Minister.



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Legislation: Statutes of 1945

The Public Health Act was amended abolishing the Health Services Board and placing the duties and responsibilities of that board under the Health Services Planning Commission, created by The Health Services Act, 1944.

The Health Services Act was amended to provide wider power to the Health Services Planning Commission in dealing with and advising municipal councils on the establishment of health services, as well as providing supervision over agreements entered into by municipalities for health services.

The Cancer Control Act was amended to provide for the appointment of an advisory committee to assist the Saskatchewan Cancer Commission with reference to any plans under consideration.

The Venereal Diseases Act was amended clarifying the power of the medical health officer or of the Minister of Public Health in detaining any person under arrest or in custody until cured, or until such person has received adequate treatment.

The Mutual Medical and Hospital Benefit Associations Act was amended providing for the appointment of the secretary of the Health Services Planning Commission as Registrar of Mutual Medical and Hospital Benefit Associations and making any agreements entered into by virtue of the Act subject to the approval of the Health Services Planning Commission.

The Hospitals Act was amended to authorize payment by the Department of Public Health to hospitals in class (a) a grant of fifty cents per patient per day; to hospitals in class (b) a grant of forty cents per patient per day; and those in class (c) a grant of thirty cents per patient per day.

The Union Hospital Act was amended to permit withdrawal of a municipality or an area from a union hospital district after the district had been in operation for at least five years. A municipality was also empowered to meet its share of the cost by paying cash, thus reducing the amount of debentures to be issued accordingly.

The Municipal Medical and Hospital Services Act was amended increasing the maximum tax in the case of a family which may be levied under its provisions from \$50.00 to \$60.00 per annum. The Act was also made applicable to residents of local improvement districts and municipalities were empowered to accept voluntary payments of the tax from non-residents and furnish in return the same services as provided to residents. Payment of the tax through payroll deductions was also introduced. Any reference to the Health Services Board was deleted and the Act placed under the jurisdiction of the Health Services Planning Commission.

The Marriage Act was amended to provide for a serological test for syphilis in the medical examination required before marriage.

The Mental Hygiene Act was amended to transfer certain duties devolving upon the Deputy Minister of Public Health to the Commissioner of Mental Services.

The Vital Statistics Act was amended to provide for the registration of an illegitimate child in the name of the mother only, except upon written request of the father and mother that the registration be made in the name of the father. Provision was also made in the case of a legally adopted child for the issue of a birth certificate showing the names of the foster parents as the names of the parents of the child and containing no information as to the natural parents.

The Physical Therapists Act was passed incorporating the Saskatchewan Physical Therapists Association and classifying membership into two groups, physiotherapists and masseurs. With the approval of the Council of Physical Therapists, the Minister of Public Health was empowered to make regulations governing the qualifications, the admission, the registration, disciplining, cancellation or suspension of registration, investigation of complaints, prescribing fees, and generally for the carrying out of the provisions of the Act.

Regulations Passed in 1945

Regulations governing health services.

Regulations governing fees under The Mental Hygiene Act.

Regulations governing the plumbing and drainage of premises and the disposal of sewage.

Regulations respecting grants and loans with respect to medical services.

Regulations respecting grants for the prevention of blindness and for health services to the blind and their dependents.

Regulations governing the establishment of health regions.

Regulations governing physical therapists.

Regulations governing the expenditure of moneys to furnish medical, dental, optical, hospital, drug and burial services.

Regulations governing public hotels, boarding houses and restaurants.

Regulations governing barber shops.

Regulations with respect to the application of The Union Hospital Act to local improvement districts.

Regulations prescribing forms required by The Venereal Diseases Act.

Health Services Planning Commission

REGINA, SASK.,

January 31, 1946

HONOURABLE T. C. DOUGLAS,
Minister of Public Health,
REGINA, SASK.

Sir:—

The following is a report of the work of the Health Services Planning Commission for the year 1945:

The membership of the Commission during the year was as follows:

T. H. McLeod, M.A.....	Economic Advisor to the Government	
C. C. Gibson.....	Director of Hospital Administration.	
C. F. W. Hames, M.D., D.P.H.	Deputy Minister	} Appointed August, 1945
C. J. Kirk, M.D.....	Assistant Deputy Minister	
M. C. Sheps, M.D.....	Member and Secretary.	

For the first few months of the year the work of the Commission was limited to the planning and advisory functions outlined in the Health Services Act. Following the 1945 session of the Legislature certain administrative functions connected with medical care plans were added. These functions included the following, details of which are given below:

1. Approval of bylaws and contracts for all types of Municipal schemes;
2. The Secretary was made Registrar under The Mutual Medical and Hospital Benefit Associations Act;
3. Administration of medical care grants;
4. Recommendations regarding hospital areas, and capital expenditure grants to hospitals;
5. Division of the province into health regions, studies of particular regions, and organizational work in connection with the establishment of health regions;
6. Recommendations regarding problems relating to health services referred to the Commission or to the Secretary by yourself.

STAFF

In order to cope with the increased work assigned to the Commission and the many requests for assistance coming in from all over the province, several additions to the staff have been made. On December 31, 1944, the staff, in addition to the Secretary, consisted of one secretary and one clerk-stenographer. The additional personnel appointed during 1945 are one assistant to the Secretary, one regional organizer, two clerks, one research assistant and two stenographers.

Meetings of the Commission have been held at least twice a week throughout the year. In addition, members of the Commission and its staff, as well as several members of the Advisory Committee, have addressed numerous public meetings in the province. The Secretary and others on the Commission have had numerous consultations and correspondence with municipal representatives, professional groups and others regarding health plans.

Studies have been made of a number of subjects, and reports submitted to the Minister. Among these are:

1. A series of memoranda on health services, organization and administration (January and February, 1945);
2. A proposed plan for rural health services (February, 1945);

3. Functions of the Health Services Planning Commission;
4. Hospitalization of maternity patients (February, 1945);
5. Mental hygiene;
6. Advanced obstetrics for nurses;
7. Records in the Department, particularly with respect to medical care;
8. Drugs;
9. Personnel training and recruitment (May, 1945);
10. Several on a free hospitalization scheme;
11. Classification of hospitals (prepared by a special sub-committee).

On the recommendation of the Commission, Dr. C. M. Hincks was asked to make recommendations regarding a mental hygiene program. The original plan for the provision of medical and other services to old age pensioners and others was prepared by the Commission. Other plans originally prepared by the Commission are being administered by various divisions in the Department.

Arrangements were made to have Dr. Paul Dodd, Department of Economics, University of California, to visit the province and prepare a report on a health insurance plan. This report has been submitted to the Commission and to the Minister.

ADVISORY COMMITTEES

The Advisory Committee was appointed March 1, 1945. The membership is listed in the appendix.

The first meeting of this Committee was held on March 2 and 3, 1945, and the second on November 3, 1945.

The following are the main resolutions passed at these meetings:

MARCH 2 AND 3:

1. That a subcommittee be appointed by the Commission to study the question of local control over a health scheme, terms of employment, etc., and to bring back recommendations.

Action Taken:

Carried out as described below.

2. That the Health Services Planning Commission advise the Government to proceed with the necessary organization to set up at least one region in the near future.

Action Taken:

Carried out as described below.

NOVEMBER 3:

1. That representations be made to the Federal Government for an amendment to the Unemployment Insurance Act to provide for payment of unemployment insurance benefits during periods of sickness or accident not covered by the provisions of provincial Compensation Acts.

Action Taken:

Representations to this effect are included in the Saskatchewan brief to the Dominion-Provincial conference.

2. That the Health Services Planning Commission investigate the possibility of establishing at least two diagnostic centres in the Province of Saskatchewan.

Action Taken:

Investigation commenced.

Meetings of the Subcommittee on Local Health Services were held on April 22, 1945, and October 20, 1945. At these meetings contracts for general practitioner services and contracts for major surgery were discussed. The new model municipal physician contract embodies recommendations made.

A meeting of the Medical Advisory Subcommittee was held on April 14, 1945. Considerable discussion on the administration of a health services scheme took place.

SUMMARY OF COMMISSION WORK

1. (a) REGULATIONS AFFECTING COMMISSION, PASSED IN 1945:

Medical care grants.

Grants and loans to hospitals.

Establishment of health regions.

(b) NEW LEGISLATION AFFECTING COMMISSION:

Amendments to:

The Health Services Act.

The Municipal Medical and Hospital Services Act.

The Mutual Medical and Hospital Benefit Associations Act.

2. HEALTH REGIONS:

A considerable amount of work was done in connection with the health region map. Numerous consultations and studies were carried out and many revisions made. The province has now been divided into 14 proposed health regions. Blueprints showing these divisions were prepared in the spring, and on November 24, 1945, a revised map of the proposed health regions was printed. Studies of regions have been prepared, each region having been analyzed as regards facilities and services. After the Commission was approached by interested groups in the respective regions, circulars containing information about the region concerned and giving an analysis of possible schemes, were sent to councillors and others in proposed Regions Nos. 1, 2, 3, 6, 10 and 14. In the last few months of the year there was considerable interest shown by a number of municipalities in Regions Nos. 5, 7, 8 and 13.

In the two regions in which a vote was taken, the pamphlet "*What Does Health Mean To You?*" was distributed to each householder.

Dr. O. K. Hjertass was appointed Regional Organizer for the Health Services Planning Commission on September 1.

Health Region No. 1 (Swift Current) and Health Region No. 3 (Weyburn-Estevan) were established on December 11, 1945, following a vote taken in each area on November 26, 1945. In the Swift Current area 70.62% of the votes were favourable, and in the Weyburn-Estevan area 72.15% were in favour of the organization of a health region. Arrangements have been made for the appointment of a regional health board in each region, and for the first meeting of each board to be held in January, 1946.

3. MEDICAL CARE GRANTS;

After consultations with the Committee on Local Health Services, recommendations were made regarding medical care grants. Regulations governing such grants were promulgated by the Lieutenant Governor in Council on June 12, 1945. These provide that municipal schemes, to qualify for medical care grants, must be operated under an approved contract, with provision for preventive services, for free care to all residents, and for minimum standards of employment for physicians. If the physician is on salary, the contract must be based on a minimum of \$5,000 per annum for a population of 2,000, and he must receive annual holidays with pay of three weeks' duration, plus sick leave, and three weeks' post-graduate leave in alternate years.

The grant is composed of:

(a) a flat grant of 25c per capita per year; and

(b) an equalization grant rising from 20c to \$2.00 per capita as the per capita assessment falls.

The grant is payable from July 1, 1945, to those schemes that were approved by November 1. A municipality may qualify at any time by meeting the necessary requirements.

MEDICAL CARE GRANTS APPROVED—1945

	Number of Municipalities	Total Grant Per Annum
Urban Municipalities.....	18	\$ 3,643.10
Rural Municipalities.....	32	36,198.80
Total.....	50	\$39,841.90

4. CAPITAL EXPENDITURE GRANTS TO HOSPITALS:

Loans and grants have been made to hospitals for construction and equipment. The size of the contribution has been based on the financial standing of the area concerned (i.e., the poorer communities received a relatively larger grant), and on the approval of the expenditure for the planned equipment or construction.

GRANTS AND LOANS RECOMMENDED

No. of Hospitals Approved for Grants	Total Grants
13	\$82,900.00

No. of Hospitals Approved for Loans	Total Loans
4	\$33,500.00

5. MEETINGS AND LITERATURE:

- (a) A total of 91 outside meetings were held to discuss regional and other problems.
- (b) Literature prepared and distributed;
 - (1) Circulars regarding particular regions, as listed above;
 - (2) Notes on provincial health services and local schemes;
 - (3) A leaflet "*Organization of a Health Region*";
 - (4) The booklet, "*What Does Health Mean To You?*" was prepared and published by the Bureau of Publications in consultation with the Commission;
 - (5) A leaflet, "*Pertinent Facts About Health Regions*".

6. HEALTH CONFERENCES:

In conjunction with the Adult Education Branch of the Department of Education, material for a study outline and for a film strip was prepared for use at the health conferences held at Kamsack, Canora, Sturgis and Saltcoats. Several of the Commission members and staff took part in these conferences which were organized by the Adult Education Branch.

7. GRANTS TO NURSES' TRAINING SCHOOLS:

On the recommendation of the Saskatchewan Registered Nurses' Association grants were made to assist two training schools which increased the number of student nurses accepted beyond their ordinary capacity.

Number of Schools	Total Grant.
2	\$5,301.67

8. BYLAWS AND AGREEMENTS APPROVED:

Bylaws for the employment of municipal physicians prepared under the municipal Acts were approved for Rural Municipalities Nos. 106, 105, 18, 19, 395, 152, 44, and for Dysart, Vanguard, Climax, Beechy, Hubbard and Bracken (a total of 13).

Bylaws for the employment of municipal surgeons prepared under the municipal Acts were approved for Rural Municipalities Nos. 366 and 336, and for Kelvington and Wadena (a total of 4).

Bylaws authorizing hospital care and treatment at municipal expense, prepared under the municipal Acts, were approved for Rural Municipalities Nos. 222, 251, 395, 468, 335, 429, as well as for the villages of Preeceville and Arborfield (a total of 9).

Bylaws prepared under The Municipal Medical and Hospital Services Act were approved for Rural Municipalities Nos. 213, 8, 460, 222, 426 and 155, as well as for Webb, Buchanan and Bredenbury (a total of 9).

The total number of new bylaws approved was 35.

Agreements with municipal physicians entered into under the provisions of the municipal Acts were approved for Rural Municipalities Nos. 280, 39, 75, 231, 341, 342, 69, 153, 334, 366, 368, 215, 337, 42, 346, 213 and 486, as well as for Rose Valley, Wishart, Preeceville, Dysart, Saltcoats and Wadena (a total of 23).

Agreements entered into with hospitals under the provisions of the municipal Acts were approved for Rural Municipalities Nos. 405, 341, 214, 274, 313, 404, 243, 273, 244, 395, 158, 171, 252, 245, 213, 468 and 168, as well as for Hepburn, Theodore and Saltcoats (a total of 21).

Agreements with physicians entered into under The Municipal Medical and Hospital Services Act were approved for Rural Municipalities Nos. 63, 128, 346, 460, 190 and 99, as well as for Birch Hills, Glenavon, Silton, Leney, Perdue, Kinley and Bethune (a total of 13).

Agreements with hospitals under the same statute were approved for Rural Municipalities Nos. 190, 63, 125, 220 and 241, as well as for Bethune, Silton, Bulyea and Strasbourg (a total of 9).

Agreements with municipalities under The Municipal Medical and Hospital Services Act were approved for R.M. No. 190 and Bethune, and R.M. No. 138 and Webb.

RECOMMENDATIONS

1. That organization of other health regions be proceeded with, and that a field staff be appointed for this work;
2. That every effort be made to establish model services and facilities in the regions already constituted, and that in these facilities there be included several local health centres and a regional health centre;
3. That a province-wide free hospitalization scheme be established, this load being taken off municipalities and regions. In establishing this scheme, the following considerations should be borne in mind:
 - (a) An increase in the number of hospital beds will be urgently required. Increased assistance should therefore be made available for this purpose, and Federal aid sought. Serious efforts should also be made to establish homes for the aged and institutions for the chronically ill;
 - (b) Improved consultative services for hospitals should be provided. These would include:
 - (1) architectural services, so that suitable plans might be suggested for different types of hospitals and health centres;
 - (2) lists of equipment suitable for different grades of hospitals;
 - (3) assistance to small hospitals in purchasing equipment and supplies;
 - (4) measures to improve accounting and administrative procedures in hospitals;
 - (c) Grading and classification of hospitals should be carried out before this scheme is brought into effect.
4. That the measures already taken to increase the number of technical personnel available be augmented as follows:
 - (a) *Medical School:*

Every effort should be made to get this school in operation at the earliest possible moment. The facilities of this school should be considered as serving the public of Saskatchewan. The maximum possible number of students should therefore be admitted; they should be admitted on the basis of ability only; admission to the school should be made accessible to able students, regardless of financial means (by low fees, scholarships and conditional loans); and the training should be orientated toward the needs of the people of the province, with a progressive approach and a full understanding of social medicine and of the problems of providing medical care;

- (b) Increased efforts to provide the technical and consultative facilities which will make practice in Saskatchewan more attractive to keen medical men;
 - (c) Training grants for all types of technical personnel, including those who must leave the province to secure such training.
 - (d) Increased assistance for post-graduate study;
 - (e) Improved conditions in nurses' training schools.
5. That in the final arrangements for a health services plan the following should be safeguarded:
- (a) Determination of policy by the duly elected and responsible representatives of the people, i.e., the Government and the Legislature;
 - (b) Co-ordination and integration in the planning and execution of all matters affecting health services, i.e., the provision of services, whether preventive or therapeutic, and the provision of facilities and personnel.
6. That studies be continued on the following:
- (a) The available personnel and facilities as compared with the requirements for an adequate health scheme;
 - (b) Costs of various schemes;
 - (c) Best methods of rendering and administering services, while safeguarding quality;
 - (d) Methods of financing health schemes;
 - (e) An adequate system of records to benefit the individual patient and to make possible morbidity studies in the province;
 - (f) Dental services;
 - (g) The manufacture and distribution of pharmaceutical and other supplies;
 - (h) The manufacture and distribution of optometric supplies.
7. That a study be made regarding the possibility of establishing a diagnostic centre, as proposed by the Advisory Committee.
8. That steps be taken as soon as possible to establish a Division of Dental Hygiene and Dental Health Services, and that consideration be given to establishing a Division of Maternal and Child Welfare in the Department. These will be necessary to give guidance in those fields to the health regions as services are established there.

COMMENTS IN CONCLUSION

During this past year some progress was made in the task of working out detailed plans for certain services—those made available to the large group of provincial dependents, the services to be given in health regions, and others referred to in this report. Some of these have been brought into effect, and considerable progress has been made in regional organization. It is reasonable to expect that the end of 1946 will see full-time public health services and other services being provided in more than one health region.

The Commission has had close contact with many individuals, groups and local government representatives throughout the province. There is almost universal recognition of the pressing need to finance all health services on the widest base possible, while improving the facilities and the standard of care available. There are many problems to be ironed out, and the Commission has met with a number of difficulties, but the most heartening experience has been the enthusiasm and determination of the great majority of the Saskatchewan people to see that the health program of this Government is carried out, namely, "a complete system of socialized health services, with special emphasis on preventive medicine, so that everybody in the province will receive adequate medical, surgical, dental, nursing and hospital care without charge". In working toward this goal it is important to remember that it will not be adequately met by a mere subsidization of the existing system of practice. It is clear that new forms of organization, some of which have already been tried out here and elsewhere, must be developed.

Respectfully submitted,

MINDEL C. SHEPS, M.D.,
*Secretary, Health Services
Planning Commission.*

APPENDIX

NAME	REPRESENTING
W. H. Ansell, Regina.....	The Local Unions of the Canadian Brotherhood of Railway Employees.
M. S. Anderson, Bulyea.....	
Dr. J. F. C. Anderson, Saskatoon.....	The College of Physicians and Surgeons of Saskatchewan.
G. R. Bickerton, Saskatoon.....	The United Farmers of Canada, Saskatchewan Section.
Dr. W. M. Blair, Regina.....	The College of Dental Surgeons of Saskatchewan.
Mrs. Mabel Bradley, Regina.....	The United Farm Women of Canada, Saskatchewan Section.
John Estock, Kennedy.....	The Saskatchewan Teachers' Federation.
Mrs. Ann Heffel, R.N., Regina.....	The Saskatchewan Registered Nurses' Association.
Dr. C. J. Houston, Yorkton.....	The College of Physicians and Surgeons of Saskatchewan.
Dr. A. W. Johnstone, Regina.....	The Chiropractors' Association of Saskatchewan.
H. M. Jackson, Yorkton.....	The Saskatchewan Urban Municipalities Association.
Dr. S. R. Laycock, Saskatoon	
Rev. Sister J. Mandin, Saskatoon.....	The Catholic Hospital Conference of Saskatchewan.
F. W. G. Miles, Regina.....	The Canadian Red Cross Society, Saskatchewan Division.
Geo. B. Munro, Regina, (as alternate for Mr. Stutt).....	The Co-operative Union of Saskatchewan.
Peter McAra, Regina.....	The Saskatchewan Anti-Tuberculosis League.
Dr. Anna E. Northrup, Moose Jaw.....	The Saskatchewan Society of Osteopathic Physicians.
E. H. Otte, Prince Albert.....	The Saskatchewan Federation of Labour.
S. W. Priddel, Regina.....	The Saskatchewan Pharmaceutical Association.
E. R. Powell, Regina.....	The State Hospital and Medical League.
Miss Clarice Smith, Swift Current.....	The Provincial Council of Women.
R. L. Stutt, Regina.....	The Co-operative Union of Saskatchewan.
J. A. Thain, Saskatoon.....	The Saskatchewan Provincial Executive, Trades and Labour Congress of Canada.
C. A. Thompson, Humboldt.....	The Canadian Legion of the British Empire Service League.
W. C. Woods, Kinistino.....	The Saskatchewan Association of Rural Municipalities.
S. N. Wynn, Yorkton.....	The Saskatchewan Hospital Association.

On April 16, Dr. R. K. Johnston of Eston was appointed to the Advisory Committee as an additional representative of the College of Physicians and Surgeons. The appointments of Mr. Geo. B. Munro and Mr. R. L. Stutt, representing the Co-operative Union of Saskatchewan, were cancelled on July 4, and on July 16 the following persons were added to the Committee:

NAME	REPRESENTING
Mrs. A. W. Cusik, Coderre.....	The Co-operative Union of Saskatchewan.
Dr. L. L. Hewitt, Regina.....	The Veterinary Association of Saskatchewan.
Geo. A. McCuaig, Weyburn	The Saskatchewan Optometric Association.
Mrs. E. Manning, Maryfield.....	The Homemakers' Clubs of Saskatchewan.

Mr. Peter McAra resigned as representative of the Saskatchewan Anti-Tuberculosis League on November 22, and has not yet been replaced.

Medical Services Division

REGINA, SASK., *January 11, 1946*

DR. C. F. W. HAMES,
Deputy Minister,
DEPARTMENT OF PUBLIC HEALTH.

Herewith a brief report of the activities of the Medical Services Division for the calendar year 1945—January 1st to December 31st, 1945. This report is given in two parts, one part being for the old relief program which is still being carried on, and the other part for the work carried on under the Health Services Act, which is numbered Part 2.

PART 1

Subsidies—

Were paid to eleven physicians in the Northern Areas for the purpose of retaining their services in the area in which they are located. The cost for the year being \$8,966.70.

Grants—

One dentist at Meadow Lake was given a grant in the Northern Area for special services rendered at a cost of \$874.50.

Insulin—

Free insulin was supplied to persons during the year to assist them in their diabetic condition, such supplies being granted to persons who were not a responsibility of any municipal unit, and who were unable to supply their own. This cost was \$1,233.30.

Canadian National Institute for the Blind—

The sum of \$2,233.81 was advanced to this organization during the year to assist them in treating destitute people who were threatened with blindness, and to provide glasses to indigent school children referred by the public health nurse.

Sisters of the Presentation of Mary, Green Lake—

This infirmary in the Northern Area was granted a sum of \$75.00 a month; drugs and hospital supplies were supplied to assist them in operating a small hospital. As in the previous year the expenditure was worth while as it provided a worthy service and resulted in a large saving to the Government which otherwise would be called upon to provide transportation to Meadow Lake, with medical and hospital fees there at the regular rate. This cost here was \$1,238.59.

Grey Nuns' Infirmary at LaLoche, Sask.—

The same service was granted to this infirmary as was granted to the infirmary at Green Lake. The cost was \$1,746.53.

Victorian Order of Nurses—

Was granted the sum of \$45.00 per month to assist its branches at Regina and Saskatoon. The cost was \$540.00.

Dental Clinics—

Were arranged in schools throughout the Province principally in the Southern Area by the Nursing Services Branch, and was paid for through this branch. The cost was \$108.00.

L.I.D.'s—

The cost of our services, apart from the Grants, Dental Clinics and Hospitals at Green Lake and LaLoche, was \$40,674.92. Approximately 450 families were granted medical relief during the year.

For all classifications apart from those mentioned above, such as the Southern Area, Single Homeless and Transient Families, etc., medical, dental, hospital, drugs and burial relief was furnished at a cost of \$29,303.75.

Following herewith is a recapitulation of the expenditure for the twelve months of the calendar year 1945, by classification:

Administration.....	\$	1,193.48
Grants:		
Subsidies to Physicians.....	\$	8,966.70
Hospitals, Green Lake.....		1,238.59
LaLoche.....		1,746.53
Victorian Order of Nurses.....		540.00
Dental Clinics.....		108.00
Dentists.....		874.50
Insulin.....		1,233.30
Canadian National Institute for the Blind.....		2,233.81
Examinary Boards, Moose Jaw and Regina.....		214.94
		<hr/> 17,156.37
Other Services:		
Northern Areas.....		40,674.92
All Others.....		29,303.75
		<hr/>
Total Expenditure for 12 months.....	\$	88,328.52

PART 2

HEALTH SERVICES ACT

This portion of our activities commenced operations on January 1, 1945, under the above Act, and was designed to provide free medical, dental, hospital, drugs, etc., to Old Age Pensioners, Mothers Allowances, Blind and dependents of the above named, and Wards. At the end of the calendar year 1945, there were 23,821 persons eligible to receive benefits under the above Act, and the purpose of which is as follows:

Vote 13-28-16—

Administration, and to provide medical, dental, drugs, nursing care, glasses and physiotherapy to Old Age Pensioners, Mothers Allowances and dependents, and Wards. The cost borne by this Vote in administering the above services for all classifications were as follows:

Administration.....	\$	36,648.46
Medical.....		103,755.33
Dental.....		16,161.15
Drugs.....		50,059.71
Nursing Care.....		978.40
Physiotherapy.....		204.50
Glasses, Etc.....		696.11
		<hr/>
Total for 12 months.....	\$	208,503.66

In respect to the medical portion, the cost shown represents only 50% of our obligation, the other 50% is payable at the end of the calendar year.

Vote 13-28-17—

This Vote was established for the purpose of providing hospitalization and care in nursing homes for Old Age Pensioners and their dependents Mothers Allowances and dependents, Ward. The cost here for the calendar year 1945 for

Hospitals was.....	\$	178,395.95
Nursing Homes.....		2,166.92
		<hr/>
Total for 12 months.....	\$	180,562.87

Vote 13-28-21—

This Vote provides medical, dental, hospital, nursing care, etc., for Blind Pensioners and their dependents, and provides for prevention of blindness for Non-pensioners. Broken down for the calendar year the cost was as follows:

Medical.....	\$	2,420.75
Dental.....		444.00
Hospital.....		4,681.43
Nursing.....		18.33
Drugs.....		2,011.75
Prevention of Blindness.....		1,184.75
		<hr/>
Total Cost for 12 months.....	\$	10,761.11

The following is a recapitulation of expenditures for the twelve months, January 1st to December 13th, 1945:

Administration.....	\$ 36,648.46
Services Vote 13-28-16.....	208,503.66
Vote 13-28-17.....	180,562.87
Vote 13-28-21.....	10,761.11
Total Cost of Health Services for 12 months.....	\$ 436,476.10

The following is a recapitulation of expenditures for the twelve months, January 1 to December 31, 1945, and added to this are the amounts still payable to Physicians, thus giving actual cost for the above calendar year:

	Expenditures	Still payable to Physicians
Administration.....	\$ 36,648.46	
Services Vote 13-26-16.....	208,503.66	\$ 103,755.33
Vote 13-28-17.....	180,562.87	
Vote 13-28-21.....	10,761.11	
		2,420.75
Expenditures for 12 months.....	\$ 426,476.10	
Still payable to Physicians.....	106,176.08	
		\$ 106,176.08
Total Cost for 12 months.....	\$ 542,652.18	

A. J. McDUGAL, M.D.,
Director.

Saskatchewan Anti-Tuberculosis League

DR. C. F. W. HAMES,

SIR:—

The Armed Forces are being carefully examined for tuberculosis on discharge. They are receiving treatment or observation according to the need. The Department of Veterans Affairs in its well-planned effort to discover all cases as early as possible and to give them the best treatment, enjoys the full co-operation of the League.

Plans for extension of tuberculosis work are under consideration by the Department of Indian Affairs, and the League co-operates fully in this work. Increased appropriations were made by the Department in 1945 for the control of tuberculosis among Indians. Indians living in the populated area of Saskatchewan received a greater share of preventive attention than did the remaining population of the Province. During 1945 three thousand eight hundred and fifty Indians were examined, and those found to have disease have been treated.

In the early years of the war the tuberculosis death-rate in Saskatchewan increased, but in 1944 the death-rate dropped to the pre-war level. New cases discovered have increased due to the number found on demobilization. It is now hoped, however, that war effects on tuberculosis in Saskatchewan are well in hand, and that we can concentrate again on civilian tuberculosis problems.

During the past year, apart from co-operation in care of invalided veterans, there has been a further increase in the preventive work of the League. 29,185 persons were referred to clinics by the family physicians or examined at the clinics because they were exposed or suspected; and an additional 138,936 were examined in miniature X-ray surveys in the rural areas of Saskatchewan. Altogether, 168,121 people were examined.

The League has received every co-operation and assistance from the doctors and the people in this work. The appreciation of the public has also been shown by generous voluntary support. Just over one hundred thousand dollars has been contributed to preventive funds this year.

The death-rate from tuberculosis fell in 1944, from 29.7 per 100,000 to 26.4 per 100,000. New cases discovered in 1945 numbered 616, of these 191 were soldiers. The fact that the number of new cases discovered among the civilian population has decreased, notwithstanding the fact that a larger proportion of these civilians were examined, is a favorable indication, and with the return of doctors from the Forces, and better health services and further extension of preventive work, we can anticipate steady progress towards eradication.

SUMMARY OF MEDICAL SERVICES:

The various medical services of the League, including treatment, diagnosis, follow-up, Indian research, examination of Normal School students, school children and nurses, when taken altogether comprise a total of 168,121 persons who had medical advice during the year. Of this number 164,015 persons were examined by the medical staff of the League. Two hundred and fifty-six persons were examined by family physicians at the request of the League, and 3,850 Indians were examined in association with the Department of Indian Affairs and the National Research Council.

There was an increase of 19,151 persons examined by the medical staff of the League in 1945, from 144,864 in 1944 to 164,015 in 1945.

Miniature X-ray Surveys:

During the year 1945, 140,427 persons were examined in miniature X-ray surveys. Of this number 138,936 persons were representative of the entire communities examined. The remaining 1,491 persons were in University student surveys.

The frequency of new active cases found among the 138,936 persons examined was 0.597 per thousand, compared with 0.865 per thousand among the 121,847 persons examined in similar surveys in 1944, and 0.93 per thousand among 82,135 persons examined in 1943.

There are a large number of requests for these surveys coming from the municipalities. The policy of the League has been to give preference for this service to municipalities with higher than average death-rates. By this selection it is considered that the Province as a whole will receive the maximum protection for the work done.

Class of New Patients Discovered:

The proportion of early cases among the new cases of active pulmonary tuberculosis discovered in 1945 was as follows:

	Pulmonary Tuberculosis		
	Minimal	Mod. Advanced	Far Advanced
1944.....	50.0%	21.6%	28.4%
1945.....	57.8%	16.3%	25.9%

The proportion of adult pulmonary cases under treatment in the sanatoria on December 31, 1945, who have had positive sputa since admission and would have been spreaders of infection had they not been hospitalized was as follows:

Adult Pulmonary Cases.....	647
Adult Pulmonary Cases with Positive Sputa.....	485 or 75%

Taking into consideration the number of active cases of tuberculosis admitted during the year, the proportion of new cases and re-admissions for 1945 was 73.6% and 26.4% respectively, as compared with 68.2% and 31.8% respectively for 1944.

It is reasonable that both the increase in minimal cases and relative reduction in re-admissions is due to inclusion of cases among service personnel.

There were 616 new cases of active tuberculosis discovered in 1945, both pulmonary and non-pulmonary, eighty more than in the preceding year. Of the 616 new cases of active tuberculosis discovered in 1945, one hundred and ninety-one were among service personnel, compared with eighty-nine among service personnel in 1944. New cases of active tuberculosis discovered among civilian population in 1945 was 425 as compared with 447 in 1944.

Of the new cases of active tuberculosis discovered in 1945, one hundred and fifty or 24.4% were treated or observed outside the sanatorium.

The proportion of non-pulmonary new cases discovered during the past year was 8.45% compared with 11.9% in 1944.

Consultation Service:

During the past year 672 persons were examined by the consultation service compared with 1,117 in 1944, a decrease of 445. Of the 254 new cases examined, five or 1.97% had active tuberculosis.

Stationary Clinics:

The following table shows the total number of examinations made at the clinics for the past two years. There was an increase of 1,386 in the number examined. Two hundred and eight more new cases were examined than in 1944, and one hundred and forty-eight more new active cases found than in 1944. The incidence of active tuberculosis among the new cases examined at the clinics in 1945 was 11% compared with 4.27% in 1944. The increased incidence is due to the fact that a large proportion of the new active cases were cases discovered in the Forces and referred to the clinics of the League. Of 165 new active cases found at the Regina clinic 99 were soldiers.

	1944	1945
Regina.....	2110	3266
Moose Jaw.....	933	1157
Swift Current.....	295	300
North Battleford.....	217	257
Yorkton.....	454	447
Canora.....	227	302
Tisdale.....	125	174
Melfort.....	141	136
Wadena.....	243	92
TOTAL.....	<u>4745</u>	<u>6131</u>

Review of Ex-Patients:

During the year 3,932 review examinations of ex-patients were carried out by the various services of the League, and 144 were admitted for treatment.

Contacts:

During 1945 a total of 3,429 contact examinations were made compared with 2,896 in 1944. The incidence of new active disease found among the entire group of 3,429 contacts examined was 3.12%.

	New Cases		Review Cases		Total	
	1944	1945	1944	1945	1944	1945
Family physicians.....	98	203	32	53	130	356
Consultants.....	192	132	310	223	502	355
Clinics.....	339	490	435	686	774	1176
Sanatoria.....	818	764	672	878	1490	1642
Total.....	1447	1589	1449	1840	2896	3429

Length of Treatment:

The period of treatment of the tuberculosis cases in 1945 was 13.79 months.

Examination of Indians:

In the fall of 1945 the Indian children in the Qu'Appelle, File Hills, Lestock, Gordons, Crooked Lake, Round Lake, Duck Lake, Delmas, Prince Albert, and Onion Lake R.C. Schools were examined, a total of 1,364. Among these 1,364 children, three (3) or 0.22% were found to have tuberculosis requiring treatment in hospitals or sanatoria.

In addition, forty-five or 3.3% were found to have minimal tuberculosis of the lungs or doubtful cases requiring observation.

Another seven, or 0.512%, had evidence of fibrosis of the lungs, characteristic of that resulting from previous tuberculous lesions. The majority of these children will progress satisfactorily under school conditions. A few will undoubtedly relapse.

Two thousand four hundred and eighty-six Indians, adults, pre-school and day school were examined from the following reserves and day schools: Fishing Lake, Cote, White Bear, Carry-the-Kettle, Muskeg Lake, New Reserve, Big River, John Smith, Beardsy's, Sandy Lake, James Smith, One Arrow, Montreal Lake, Chagones, Sturgeon Lake, Mistawasis, Cumberland House, Thunderchild, Moosomin, Little Pine, Red Pheasant, Sweet Grass and Poundmaker Reserves; Cote, Keys, Assiniboia and Whitebear Day Schools.

Among this group of 2,486 there were 27 who required treatment, a proportion of 1.08%. There were also discovered sixty-six with minimal tuberculosis who, it was considered, could get along at home under observation.

Dr. A. B. Simes, Medical Superintendent of the Qu'Appelle Indian Health Unit, and his associates in the Department of Indian Affairs have put forth every effort to hasten the eradication of tuberculosis among the Indians. The number examined in 1945 was 3,850 compared with 3,778 in 1944. The sincerest appreciation is expressed for this preventive work, and the League is greatly encouraged.

Examination of Normal School Students:

In the fall of 1945 the Normal School students at Saskatoon and Moose Jaw were examined, 838 in all. One active case of tuberculosis was discovered.

Among the 603 students examined at the Saskatoon Normal School, 15.7% were found to be positive reactors to tuberculin.

The arrangement made through the co-operation of the Department of Education and the teachers, for the examination for tuberculosis of all teachers in the schools of Saskatchewan in the clinics of the League is progressing satisfactorily. The incidence of tuberculosis among teachers is very low, but it is important that both the teachers and pupils be protected against the spread of the disease.

Vaccination Against Tuberculosis of Nurses and Others Exposed in the Care of the Sick:

This work has now been going on for the past seven years. More than twenty-five hundred nurses have been vaccinated. As a result of this work in the eight nursing schools of the Province, tuberculosis among nurses has been reduced to one-quarter of its former incidence.

Financial:

During the year 7,200 fewer treatment days were given than during the preceding year, due to building operations temporarily reducing accommodation.

The per diem cost of treatment increased to \$3.23 in 1945, from \$2.866 in 1944, an increase of 36.4c per day. This was due to increased commodity prices and increased wages.

The cost of treatment was \$904,317.65 compared with \$823,066.02 in 1944, an increase of \$81,251.63.

Respectfully submitted,

R. G. FERGUSON,
*Director of Medical Services and
General Superintendent.*

Division of Communicable Disease

REGINA, *January 23, 1947.*

C. F. W. HAMES, ESQ., M.D., D.P.H.,
Deputy Minister of Public Health,
 Regina, Saskatchewan.

Sir:—

I hereby submit report of the Division of Communicable Disease for the calendar year 1945, consisting of the following tables numbered I to XI:

- I—The fluctuation of morbidity and mortality during 1944-1945.
- II—Monthly distribution of Communicable disease morbidity.
- III—Diphtheria incidence—distribution by age and sex groups
- IV—Scarlet Fever incidence—distribution by age and sex groups.
- V—Measles incidence—distribution by age and sex groups.
- VI—Whooping Cough incidence—distribution by age and sex groups.
- VII—Summary of communicable disease morbidity by age and sex groups.
- VIII—Detailed distribution of communicable disease morbidity—by cities, towns, villages, rural municipalities and armed forces.
- IX—Summary of distribution of communicable disease morbidity—by cities, towns, villages, rural municipalities and armed forces.
- X—Morbidity and mortality certain communicable diseases—1905-1945:
 - (a) Diphtheria and scarlet fever;
 - (b) Smallpox and whooping cough;
 - (c) Measles and mumps;
 - (d) Tuberculosis and typhoid—paratyphoid fevers;
 - (e) Influenza and chickenpox;
 - (f) Poliomyelitis and encephalitis (encephalomyelitis).
- XI—Vaccines and sera issued—1917-1945.

ROUTINE

	1944	1945
Letters received.....	6,590	4,922
Physicians' reports received.....	755	661
Armed Forces' reports.....	98	28
Memoranda received.....	189	438
Telegrams received.....	48	35
Letters dispatched.....	4,872	3,065
Memoranda dispatched.....	76	22
Telegrams dispatched.....	48	19
Parcels of vaccines and sera, drugs, etc., dispatched.....	2,975	2,582
Statistical reports—internal—dispatched.....	156	156
Parcels of forms, bulletins, regulations, etc., dispatched	1,134	1,463
Statistical reports—external—dispatched.....	884	884
Undertakers' licences issued.....	49	45
Disinterment permits issued.....	54	61

COMMUNICABLE DISEASE GENERAL

During 1945, 5,628 cases of communicable disease were reported to the Division as against 8,045 for 1944. There were 618 deaths in 1945 against 958 in 1944.

Smallpox:

5 cases of smallpox were reported during 1945; no cases were reported in 1944. There were no deaths.

Diphtheria:

74 cases of diphtheria with 11 deaths were reported compared to 92 cases with 16 deaths in 1944.

Whooping Cough:

164 cases of whooping cough with 9 deaths were reported compared to 468 cases with 29 deaths in 1944.

Scarlet Fever:

331 cases of scarlet fever with 1 death were reported compared to 684 cases with 2 deaths in 1944.

Measles:

There were 1,226 cases of measles reported in 1945 with 6 deaths against 2,384 with 23 deaths in 1944.

Mumps:

951 cases of mumps were reported with 1 death compared to 469 cases with no deaths in 1944.

Typhoid Fever:

21 cases of typhoid and paratyphoid fever were reported in 1945 with 5 deaths compared to 18 cases with 7 deaths in 1944.

Tuberculosis:

614 cases of tuberculosis were reported in 1945 with 222 deaths compared to 508 cases with 223 deaths in 1944. This increase does not represent new cases. The increase can almost entirely be accounted for with new cases reported as being under the care of the D.V.A. These are cases in the armed forces. In addition, the Division in July, 1945, began to follow-up deaths reported through the Registrar General's branch. A number of these, therefore, would be old cases not previously reported.

Poliomyelitis:

19 cases of poliomyelitis with 3 deaths reported in 1945 compared to 17 cases with 1 death in 1944.

German Measles (Rubella):

124 cases were reported in 1945 and no deaths compared to 966 cases with no deaths in 1944.

Undulant Fever:

10 cases of undulant fever were reported in 1945 with no deaths compared to 4 cases in 1944 with no deaths.

Chickenpox:

Chickenpox showed the highest incidence of any communicable disease in 1945 with 1,677 cases reported and no deaths compared to 1,590 cases with no deaths in 1944.

IMMUNIZATION

\$34,084.03 were spent by the Division in the distribution of vaccines and sera during 1945 compared to \$44,026.74 in 1944.

Respectfully submitted,

H. S. DOYLE, M.D., D.P.H.
for F. C. MIDDLETON, M.D., D.P.H.
Director.

TABLE I—MORBIDITY AND MORTALITY. POPULATION RATES 1944-1945

DISEASES	CASES		DEATHS		DEATHS PER 100 CASES REPORTED			RATE PER 100,000 POPULATION			MORTALITY	
	1944	1945	1944	1945	1944	1945	Increase or Decrease	1944	1945	Increase or Decrease	1944	1945
Chickenpox.....	1,590	1,677	...	...	...	...	.....	187.9	198.5	Increase	...	...
Diphtheria.....	92	74	15	11	16.3	14.8	Decrease	10.9	8.7	Decrease	1.7	1.3
Measles.....	2,384	1,226	23	6	.96	.49	Decrease	281.8	145.1	Decrease	2.7	.7
Mumps.....	469	951	...	1	...	...	.....	55.4	112.5	Increase	...	.1
Poliomyelitis.....	17	19	1	3	5.88	15.8	Increase	2.1	2.2	Increase	.1	.4
Scarlet Fever.....	684	331	2	1	.29	.3	Decrease	80.9	39.4	Decrease	.2	.1
Smallpox.....	...	5	...	...	...	...	.....	...	.6	.....	...	...
Tuberculosis.....	508	614	223	222	36.45	36.15	.....	60.05	72.7	Increase	26.4	26.3
Typhoid and Paratyphoid.....	18	21	7	5	38.8	23.8	Decrease	2.1	2.5	Increase	.8	.6
Whooping Cough.....	468	164	29	9	6.2	5.5	Decrease	55.2	19.6	Decrease	3.4	1.1
Actinomycosis.....	1	1	2	1	...	...	.....	...	...	Decrease	.2	.1
Conjunctivitis.....	8	27	...	...	...	...	.....	...	...	.....	...	...
Diphtheria Carrier.....	12	9	...	...	...	...	.....	...	...	.....	...	...
Dysentery—Bacillary.....	2	...	11	...	...	...	.....	...	...	.....	1.3	...
Encephalitis.....	2	2	8	3	...	...	.....	...	30.04%	Decrease in morbidity.....	.9	.4
Encephalitis Lethargica.....	2	...	...	...	...	...	.....	...	35.41%	Decrease in mortality.....	...	.2
Erysipelas.....	18	11	4	2	...	...	.....	...	...	.....	.5	...
Impetigo Contagiosa.....	99	76	...	...	...	...	.....	...	...	.....	...	...
Influenza.....	248	36	161	68	...	...	.....	...	...	.....	19.0	.8
Jaundice.....	...	36	...	...	...	...	.....	...	...	.....	...	...
Malaria.....	1	...	...	...	...	...	.....	...	...	.....	...	...
Meningitis.....	19	12	7	9	...	...	.....	...	...	.....	.8	1.1
Pemphigus.....	1	...	...	...	...	...	.....	...	...	.....	...	...
Pneumonia.....	35	7	443	...	...	...	.....	...	864,000	Increase	...	...
Puerperal Septicaemia.....	1	...	12	272	...	...	.....	...	845,000	Decrease	52.3	32.2
Ringworm.....	59	36	...	...	...	...	.....	...	...	Decrease	1.4	...
Rubella.....	966	124	...	...	...	...	.....	...	...	.....	...	...
Scabies.....	253	121	...	...	...	...	.....	...	...	.....	...	...
Septic Sore Throat.....	64	21	8	5	...	...	.....	...	...	.....	.9	.6
Tetanus.....	...	3	...	...	...	...	.....	...	...	.....	...	...
Trachoma.....	14	6	...	...	...	...	.....	...	...	.....	...	...
Typhoid Carrier.....	1	2	...	...	...	...	.....	...	...	.....	...	...
Undulant Fever.....	4	10	...	...	...	...	.....	...	...	.....	...	...
Vincent's Angina.....	5	6	2	...	...	...	.....	...	...	.....	.2	...
Totals.....	8,045	5,628	958	618	...	...	.....	...	...	.....	...	...

TABLE II—MONTHLY DISTRIBUTION OF COMMUNICABLE DISEASE MORBIDITY, 1945

Cases Reported	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Actinomycosis.....	...	83	122	101	1	123	69	54	61	163	218	411	1
Chickenpox.....	172	6	..	3	100	10	..	..	..	3	1	..	1,677
Conjunctivitis (Acute Inf.).....	..	5	38	4	4	1	3	2	1	1	8	5	27
Diphtheria.....	4	..	..	..	2	..	..	..	..	..	..	..	74
Diphtheria Carrier.....	1	..	2	1	..	4	..	..	1	..	1	..	9
Encephalitis.....	..	..	..	..	3	..	1	..	1	..	..	..	2
Erysipelas.....	..	..	1	2	..	1	1	..	..	..	2	1	11
Impetigo Contagiosa.....	6	6	12	2	..	5	2	..	1	5	25	12	76
Influenza.....	..	..	6	..	27	..	..	..	3	..	..	..	36
Jaundice.....	..	..	1	..	4	15	1	2	6	7	..	..	36
Measles.....	172	40	109	199	332	148	53	34	26	14	61	38	1,226
Meningitis Cerebrospinal.....	1	1	..	1	1	3	..	1	..	..	4	..	12
Mumps.....	73	107	147	182	105	111	48	13	18	20	24	103	951
Pneumonia.....	2	1	1	..	..	3	..	..	..	..	..	..	7
Polioomyelitis.....	..	..	..	1	..	..	..	1	8	5	1	3	19
Ringworm.....	9	2	9	5	5	2	2	2	..	4	..	..	36
Rubella (German Measles).....	15	12	16	5	13	24	12	2	1	..	9	11	124
Scabies.....	1	16	11	8	4	8	..	3	2	6	21	41	121
Scarlet Fever.....	40	29	59	28	22	29	10	12	18	32	21	31	331
Septic Sore Throat.....	4	2	..	..	1	14	..	..	..	..	..	..	21
Smallpox.....	..	5	..	..	..	..	..	..	..	..	..	..	5
Tetanus.....	..	..	..	..	..	..	..	..	1	1	..	1	3
Trachoma.....	..	..	..	..	..	1	..	..	..	4	..	1	6
Tuberculosis.....	..	39	49	40	37	53	35	41	76	46	63	135	614
Typhoid.....	..	..	5	..	1	2	10	1	1	1	..	..	21
Typhoid Paratyphoid.....	..	..	..	..	..	..	..	..	..	2	..	..	2
Typhoid Carrier.....	..	4	5	..	..	..	..	..	1	..	..	..	10
Undulant Fever.....	..	..	..	..	..	..	..	..	3	..	2	1	6
Vincent's Angina.....	..	34	26	14	15	6	7	1	12	3	10	2	164
Whooping Cough.....	34	..	..	..	..	..	..	..	..	..	..	..	..
Totals.....	534	392	619	596	677	563	254	169	240	317	471	796	5,628

TABLE III —DIPHTHERIA INCIDENCE. DISTRIBUTION BY AGE AND SEX GROUPS, 1945

Location	Under 1 year		1-4 Years		5-14 Years		15-19 Years		20 Years and over		Age not stated		Age--Sex not stated	Distribution totals			Per-cent-ages
	M	F	M	F	M	F	M	F	M	F	M	F		M	F	Not Stated	Total
Cities.....	2	..	5	9	1	2	..	6	..	2	..	8	19	..	27
Towns.....	1	..	1	..	..	..	..	..	..	..	..	2	..	2
Villages.....	2	2	1	6	..	2	..	2	5	7	..	8	19	..	27
Rural Municipalities	2	3	5	3	..	1	1	2	..	..	..	8	9	..	17
Armed Forces.....	1	..	..	1	..	..	1
Age groups by sex	6	6	11	19	1	5	1	10	6	9	..	25	49	..	
Age group totals.....	12		30		6		11		15		..		74		
Percentages.....			16.2		40.54		8.1		14.86		20.27						

TABLE IV—SCARLET FEVER INCIDENCE. DISTRIBUTION BY AGE AND SEX GROUPS, 1945

Location	Under 1 year		1-4 Years		5-14 Years		15-19 Years		20 Years and over		Age not stated		Age Sex not stated	Distribution totals			Per-cent-ages
	M	F	M	F	M	F	M	F	M	F	M	F		M	F	Not Stated	Total
Cities.....	1	3	16	23	42	43	15	15	11	19	3	2	2	88	105	2	195
Towns.....	..	..	2	3	2	7	1	1	..	1	..	..	..	4	12	..	16
Villages.....	..	..	2	1	6	10	2	1	3	3	1	..	2	14	15	2	31
Rural Municipalities	..	..	7	6	18	20	4	4	5	7	6	5	6	40	42	6	88
Armed Forces.....	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	1
Age groups by sex ..	1	3	27	33	68	80	21	21	19	30	11	7	10	147	174	10	
Age groups totals	4		60		148		42		49		18		10		331		
Percentages.....	1.21		18.13		44.71		12.69		14.80		5.44		3.02				

TABLE V—MEASLES INCIDENCE. DISTRIBUTION BY AGE AND SEX GROUPS. 1945

Location	Under 1 year		1-4 Years		5-14 Years		15-19 Years		20 Years and over		Age not stated		Age-Sex not stated	Distribution totals			Per-cent-ages
	M	F	M	F	M	F	M	F	M	F	M	F		M	F	Not Stated	
Cities.....	15	15	172	155	202	205	11	25	9	19	2	..	1	411	419	1	831
Towns.....	..	2	8	10	28	18	2	2	..	7	1	..	..	39	39	..	78
Villages.....	..	1	20	9	18	22	2	1	1	1	1	3	25	42	37	25	104
Rural Municipalities	5	3	27	15	40	60	9	10	4	9	..	1	23	85	98	23	206
Armed Forces.....	..	..	..	..	..	..	..	..	..	..	3	4	..	3	4	..	7
Age groups by sex ..	20	21	227	189	288	305	24	38	14	36	7	8	49	580	597	49	..
Age Group Totals....	41		416		593		62		50		15		49	1,226			..
Percentages.....	3.34		33.93		48.37		5.06		4.08		1.22		4.0				

TABLE VI—WHOOPIING COUGH INCIDENCE. DISTRIBUTION BY SEX AND AGE GROUPS. 1945

Location	Under 1 year		1-4 Years		5-14 Years		15-19 Years		20 Years and over		Age not stated		Age-Sex not stated	Distribution totals			Per-cent-ages
	M	F	M	F	M	F	M	F	M	F	M	F		M	F	Not Stated	
Cities.....	3	5	25	30	28	30	1	1	..	1	..	..	1	57	67	1	125
Towns.....	1	..	1	3	3	3	..	1	..	..	..	..	..	5	7	..	12
Villages.....	..	..	1	1	1	1	1	..	..	..	..	1	6	3	2	6	11
Rural Municipalities	4	..	2	5	..	4	..	..	..	..	..	1	..	6	10	..	16
Armed Forces.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Age groups by Sex	8	5	29	39	32	38	2	2	..	1	..	1	7	71	86	7	..
Age group totals.....	13		68		70		4		1		1		7	164			..
Percentages.....	7.93		41.46		42.68		2.44		.61		.61		4.27				..

TABLE VII—SUMMARY OF COMMUNICABLE DISEASE MORBIDITY BY AGE AND SEX GROUPS, 1945

Disease	Under 1 year		1-4 Years		5-14 Years		15-19 Years		20 Years and over		Age not stated		Age—Sex not stated	Sex Distribution totals			Mor-bidity Per-cent-age	
	M	F	M	F	M	F	M	F	M	F	M	F		Not Stated	Totals			
Actinomycosis.....	32	14	207	178	539	539	23	48	1	27	8	4	34	1	810	34	1,677	29.8
Chickenpox.....	..	..	1	..	7	3	..	1	3	1	..	..	11	..	5	11	27	..
Conjunctivitis.....	..	..	6	6	11	19	1	5	1	10	6	9	..	..	49	74	1.3	..
Diphtheria.....	..	1	2	..	2	3	..	..	..	1	..	..	..	..	5	9	..	..
Diphtheria Carrier ..	..	..	..	..	..	2	..	..	2	7	..	..	..	..	2	2	11	..
Encephalitis.....	..	1	..	..	..	..	1	..	..	..	..	..	..	..	8	..	36	..
Erysipelas.....	..	..	1	..	8	13	1	..	..	..	..	..	53	..	13	76	..	..
Impetigo Contagiosa ..	..	..	1	..	1	..	1	..	1	2	..	..	30	..	2	36	..	..
Influenza.....	..	..	1	..	1	6	1	5	6	5	..	1	4	..	18	36	..	..
Jaundice.....	20	21	227	189	288	305	24	38	14	36	7	8	49	..	597	49	1,226	21.8
Measles.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Meningitis Cerebro-spinal.....	1	..	1	3	1	..	1	1	1	2	..	1	..	5	7	..	12	..
Mumps.....	2	1	45	31	261	255	81	50	47	78	20	25	55	..	440	55	951	16.9
Pneumonia.....	..	..	..	..	1	1	..	..	2	1	..	..	3	..	1	3	7	..
Polio-myelitis.....	1	1	1	1	3	5	4	..	2	1	..	..	..	11	8	..	19	..
Ringworm.....	..	..	..	..	..	1	..	..	..	..	..	..	35	..	1	35	36	..
Rubella (German Measles).....	3	8	22	18	19	18	5	6	2	6	5	3	9	..	59	9	124	2.2
Scabies.....	..	..	1	2	10	16	1	..	1	..	..	..	90	..	18	90	121	..
Scarlet Fever.....	1	3	27	33	68	80	21	21	19	30	11	7	10	..	174	10	331	5.9
Septic Sore Throat ..	..	..	..	..	..	1	..	..	2	..	..	..	18	..	1	18	21	..
Smallpox.....	..	..	..	1	1	..	..	1	1	1	..	..	..	2	3	..	5	..
Tetanus.....	..	..	..	..	1	1	..	..	..	..	..	..	1	..	1	1	3	..
Trachoma.....	..	..	..	..	2	3	..	..	..	1	..	..	..	2	4	..	6	..
Tuberculosis.....	..	1	6	8	26	24	27	42	312	157	8	3	..	379	235	..	614	10.9
Typhoid Para-typhoid.....	..	..	..	2	2	7	..	..	5	2	2	1	..	9	12	..	21	..
Typhoid Carrier.....	..	..	..	..	..	..	..	..	..	1	1	..	..	1	1	..	2	..
Undulant Fever.....	..	..	..	..	..	1	..	..	5	3	1	..	..	6	4	..	10	..
Vincent's Angina.....	..	..	..	..	..	1	1	1	..	3	..	..	..	1	5	..	6	..
Whooping Cough.....	8	5	29	39	32	38	2	2	..	1	..	1	7	71	86	7	164	2.9
Age Groups by sex..	68	56	577	512	1,290	1,342	195	221	451	375	69	63	..	2,650	2,569	409	..	..
Age Group Totals....	124	..	1,089	..	2,632	..	416	..	826	..	132	..	409	..	5,628	..	..	..
Age Group Percentages.....	2.2	..	19.3	..	46.7	..	7.4	..	14.7	..	2.3	..	7.3	..	..	..	..	..

TABLE VIII—DETAILED DISTRIBUTION OF MORBIDITY, 1945

ACTINOMYCOSIS—Total Cases 1.

Cities—1. Regina, 1.

CHICKENPOX—Total Cases 1,677.

Cities—1,363. Moose Jaw, 115; North Battleford, 4; Prince Albert, 132; Regina, 739; Saskatoon, 296; Swift Current, 7; Weyburn, 28; Yorkton, 42.

Towns—51. Bredenbury, 1; Carlyle, 1; Davidson, 1; Humboldt, 1; Melfort, 5; Nipawin, 3; Qu'Appelle, 1; Rosetown, 32; Sutherland, 1; Tisdale, 5.

Villages—102. Arborfield, 11; Balcarres, 2; Big River, 6; Birsay, 1; Bounty, 1; Carrot River, 9; Ceylon, 1; Chaplin, 1; Colonsay, 1; Cut Knife, 2; Duval, 1; Englefeld, 1; Girvin, 1; Hazenmore, 1; Hudson Bay Junction, 3; Ituna, 2; Kipling, 7; LaFleche, 10; Leask, 1; Leney, 3; Lucky Lake, 12; Maidstone, 10; Mankota, 1; Milden, 6; Pense, 1; Rockhaven, 4; Speers, 1; Welwyn, 1; Young, 1.

Rural Municipalities—156. No. 39, 5; 45, 7; 61, 1; 63, 24; 65, 20; 67, 9; 158, 1; 159, 2; 213, 1; 250, 1; 252, 6; 253, 1; 255, 1; 276, 1; 282, 2; 286, 13; 287, 5; 316, 1; 317, 1; 340, 3; 344, 1; 346, 5; 370, 3; 374, 1; 398, 1; 403, 1; 411, 10; 459, 7; 471, 1; 491, 5; 517, 1; Unorganized: Beauval—14. *Indian Reserves*—1.

Armed Forces—5.

CONJUNCTIVITIS—Total Cases 27.

Villages—12. Big River, 5; Ceylon, 2; Mankota, 5.

Rural Municipalities—15. No. 39, 1; 65, 4; 253, 6; 346, 4;

DIPHTHERIA—Total Cases 74.

Cities—27. Moose Jaw, 7; Prince Albert, 2; Regina, 2; Saskatoon, 9; Weyburn, 7.

Towns—2. Meadow Lake, 1; Rosetown, 1.

Villages—27. Big River, 1; Chaplin, 1; Luseland, 1; Montmartre, 15; Rocanville, 1; Tugaske, 1; Vanscoy, 1; Wauchope, 6.

Rural Municipalities—17. No. 4, 1; 9, 5; 61, 2; 215, 1; 219, 1; 301, 1; 341, 1; 491, 1; 518, 1; 588, 3;

Armed Forces—1

DIPHTHERIA CARRIER—Total Cases 9.

Cities—2. Moose Jaw, 1; Regina, 1.

Towns—1. Estevan, 1.

Village—1. Wauchope, 1.

Rural Municipalities—5. No. 588, 1; Indian Reserves—4.

ENCEPHALITIS—Total Cases 2.

Villages—2. Allan, 1; Wilcox, 1.

ERYSIPELAS—Total Cases 11.

Cities—6. Regina, 4; Saskatoon, 2.

Villages—4. Bruno, 1; Fenwood, 1; Goodeve, 1; Ituna, 1.

Rural Municipalities—1. No. 369, 1;

IMPETIGO CONTAGIOSA—Total Cases 76.

Cities—22. Prince Albert, 21; Yorkton, 1.

Towns—4. Melville, 4.

Villages—19. Ile a la Crosse, 1; Ituna, 4; Kenaston, 1; Ponteix, 12; Maidstone, 1.

Rural Municipalities—31. No. 45, 1; 65, 11; 74, 1; 226, 2; 256, 2; 374, 4; 382, 1; 403, 6; 486, 3;

INFLUENZA—Total Cases 36.

Villages—3. Ceylon, 3.

Rural Municipalities—33. No. 39, 30; 283, 3.

JAUNDICE—Total Cases 36.

Towns—3. Carlyle, 3.

Villages—13. Mankota, 11; McCord, 2.

Rural Municipalities—20. No. 4, 1; 15, 1; 45, 10; 63, 8.

MEASLES—Total Cases 1,226.

Cities—831. Moose Jaw, 34; North Battleford, 1; Prince Albert, 504, Regina, 103; Saskatoon, 175; Swift Current, 2; Yorkton, 12.

Towns—78. Asquith, 1; Davidson, 1; Duck Lake, 2; Govan, 1; Indian Head, 7; Melfort, 3; Melville, 3; Nipawin, 30; Qu'Appelle, 11; Rosetown, 2; Saltcoats, 2; Tisdale, 2; Unity, 13.

Villages—104. Allan 1; Arborfield, 2; Beechy, 5; Big River, 1; Birsay, 20; Carrot River, 6; Ceylon, 22; Dundurn, 3; Elstow, 1; Evesham, 3; Fort Qu'Appelle, 2; Glaslyn, 2; Hardy, 8; Hudson Bay Jct., 2; Kincaid, 1; Kinistino, 2; La Fleche, 1; Lucky Lake, 4; North Regina, 1; Pennant, 1; Perdue, 11; Prelate, 2; Riverhurst, 1; Senlac, 1; Willow Bunch, 1.

Rural Municipalities—206. No. 39; 23, 44, 1; 126, 15; 129, 1; 141, 1; 156, 1; 187, 2; 213, 1; 223, 1; 224, 2; 225, 5; 226, 4; 229, 1; 243, 2; 253, 4; 255, 11; 256, 1; 286, 3; 313, 3; 314, 2; 321, 1; 340, 2; 345, 1; 346, 20; 374, 1; 375, 5; 382, 1; 405, 1; 411, 2; 429, 1; 430, 1; 434, 3; 456, 12; 459, 1; 461, 7; 471, 4; 486, 4; 491, 35; 498, 9; 521, 2; 525, 5; 526, 1; 588, 3;

Armed Forces—7.

MENINGITIS—Total Cases 12.

Cities—6. North Battleford, 1; Saskatoon, 5.

Towns—1. Melfort, 1.

Villages—3. Ceylon, 1; Kelfield, 1; Zelma, 1.

Rural Municipalities—2. No. 282, 1; 370, 1.

MUMPS—Total Cases 951.

Cities—658. Moose Jaw, 50; North Battleford, 1; Prince Albert, 89; Regina, 21; Saskatoon, 494; Swift Current, 2; Yorkton, 1.

Towns—102. Davidson, 1; Langham, 1; Melfort, 83; Moosomin, 2; Nipawin, 1; Rosetown, 11; Rosthern, 1; Watrous, 1; Wolseley, 1.

Villages—94. Borden 2; Dundurn, 2; Hague, 1; Kinistino, 69; Kyle, 1; Lang, 1; Lucky Lake, 5; Maidstone, 1; Mankota, 6; Perdue, 1; Woodrow, 6.

Rural Municipalities—76. No. 7, 1; 39, 3; 45, 22; 46, 1; 74, 1; 91, 2; 219, 1; 225, 1; 228, 2; 244, 1; 252, 2; 253, 3; 255, 5; 257, 1; 313, 1; 314, 1; 340, 1; 344, 1; 366, 1; 374, 2; 405, 3; 428, 3; 430, 1; 459, 13; 491, 1; 532, 2.

Armed Forces—21.

PNEUMONIA—Total Cases 7.

Villages—4. Big River, 1; Lucky Lake, 2; Tugaskie, 1.

Rural Municipalities—3. No. 194, 1; 229, 1; 588, 1.

POLIOMYELITIS—Total Cases—19.

Cities—8. Moose Jaw, 2; North Battleford, 1; Regina, 3; Saskatoon, 2.

Towns—2. Eston, 2.

Villages—3. Allan, 1; Macrorie, 1; Netherhill, 1.

Rural Municipalities—6. No. 61, 1; 67, 1; 97, 1; 285, 1; 308, 1; 314, 1.

RINGWORM—Total Cases 36.

Towns—4. Meadow Lake, 2; Melville, 2.

Villages—15. Ituna, 8; Mankota, 2; Ponteix, 5.

Rural Municipalities—19. No. 8, 2; 45, 2; 65, 2; 194, 1; 214, 2; 588, 8.

RUBELLA—Total Cases, 124.

Cities—62. Moose Jaw, 18; Prince Albert, 7; Regina, 12; Saskatoon, 24; Weyburn, 1.

Towns—6. Humboldt, 1; Kamsack, 3; Lemberg, 1; Watrous, 1.

Villages—21. Abernethy, 1; Allan, 1; Alvena, 1; Kinistino, 3; Lucky Lake, 2; Mankota, 3; Maryfield, 4; Senlac, 3; Speers, 1; Stoughton, 1; Tugaske, 1.

Rural Municipalities—33. No. 4, 3; 45, 5; 65, 3; 91, 3; 185, 1; 193, 1; 219, 2; 271, 1; 286, 1; 314, 1; 340, 1; 346, 1; 382, 1; 429, 3; 430, 4; 435, 1; 459, 1.

Armed Forces—2.

SCABIES—Total Cases 121.

Cities—35. Prince Albert, 32; Yorkton, 3.

Towns—6. Melville, 6.

Villages—13. Dinsmore, 2; Ituna, 6; Mankota, 2; Ponteix, 3.

Rural Municipalities—67. No. 39, 6; 45, 4; 65, 18; 91, 3; 252, 7; 255, 3; 374, 9; 382, 2; 403, 12; 486, 1; 491, 1; Ile a la Crosse 1.

SCARLET FEVER—Total Cases 331.

Cities—195. Moose Jaw, 15; North Battleford, 11; Prince Albert, 5; Regina, 58; Saskatoon, 69; Swift Current, 4; Weyburn, 18; Yorkton, 15.

Towns—16. Asquith, 4; Battleford, 1; Davidson, 4; Duck Lake, 1; Kamsack, 1; Melfort, 1; Melville, 1; Tisdale, 2; Watson, 1.

Villages—31. Beatty, 4; Bienfait, 3; Birch Hills, 1; Cudworth, 1; Cupar, 2; Domremy, 1; Hudson Bay Jct., 1; Leask, 1; Kenaston, 1; Meota, 5; Pense, 5; Prud'Homme, 2; Spalding, 1; Speers, 1; Viscount, 1; Wilcox, 1.

Rural Municipalities—88. No. 4, 7; 5, 1; 8, 2; 74, 3; 94, 1; 112, 10; 121, 1; 124, 2; 128, 1; 129, 1; 158, 2; 253, 1; 258, 2; 283, 3; 303, 2; 335, 1; 344, 1; 366, 1; 375, 3; 381, 9; 382, 1; 404, 6; 405, 6; 411, 6; 434, 3; 439, 1; 459, 1; 460, 1; 464, 1; 468, 1; 471, 4; 517, 2; 588, 1.

Armed Forces—1.

SEPTIC SORE THROAT—Total Cases 21.

Villages—1. Mankota, 1.

Rural Municipalities—20. No. 39, 1; 65, 14; 45, 1; 344, 1; 439, 3.

SMALLPOX—Total Cases 5.

Rural Municipalities—5. No. 369, 5.

TETANUS—Total Cases 3.

Villages—1. Macoun 1.

Rural Municipalities—2. No. 219, 1; 494, 1.

TRACHOMA—Total Cases 6.

Rural Municipalities—6. No. 373, 4; 403, 1; 495, 1.

TUBERCULOSIS—Total Cases 614.

Cities—154. Moose Jaw, 13; North Battleford, 7; Prince Albert, 16; Regina, 38; Saskatoon, 67; Swift Current, 8; Yorkton, 5.

Towns—49. Assiniboia 2; Balgonie, 1; Biggar, 1; Estevan, 4; Eston, 1; Foam Lake, 1; Gravelbourg, 2; Grenfell, 2; Humboldt, 5; Indian Head, 1; Kamsack, 2; Lloydminster, 1; Maple Creek, 2; Meadow Lake, 3; Melfort, 1; Melville, 2; Nipawin 1; Radville, 2; Rosetown, 4; Rosthern, 1; Saltcoats, 3; Sintaluta, 1; Strasbourg 1; Sutherland, 1; Wadena, 1; Watrous, 1; Watson, 1; Wilkie, 1.

Villages—100. Alvena, 1; Antler, 1; Arelee, 1; Balcarres, 2; Bienfait, 1; Birch Hills, 1; Blaine Lake, 1; Borden, 1; Bounty, 1; Broderick, 1; Brownlee, 1; Buchanan, 1; Burstall, 1; Coronach, 1; Craven, 1; Cut Knife, 2; Dalmeny, 1; Debden, 1; Dinsmore, 1; Drinkwater, 1; Dubuc, 1; Dysart, 2; Earl Grey, 2; Elfros, 1; Elstow, 1; Ernfold, 1; Esterhazy, 1; Fielding, 2; Fort Qu'Appelle, 1; Hague, 1; Hazenmore, 1; Imperial, 2; Insinger, 1; Invermay, 1; Ituna, 3; Kelliher, 1; Kenaston, 1; Kendal, 1; Kincaid, 1; Kipling, 1; Landis, 1; Langenburg, 1; Lebret, 1; Leslie, 1; Lintlaw, 1; Loreburn, 2; Macoun, 1; Mankota, 1; Manor, 1; Marcelin, 1; Markinch, 1; Muenster, 1; Naicam, 2; Pelly, 1; Preeceville, 1; Prelate, 1; Punichy, 1; Quinton, 1; Richlea, 1; Ridgedale, 1; Rockglen, 2; Rose Valley, 2; Sheho, 1; Shell Lake, 1; Southey, 1; Spalding, 1; Star City, 1; St. Brieux, 1; Stenen, 1; Success, 1; Tantallon, 1; Theodore, 1; Tompkins, 1; Vanguard, 2; Verigin, 1; Verwood, 1; Viscount, 1; Wakaw, 1; Welwyn, 1; Willow Bunch, 4; Windthorst, 2; Wroxton, 1; Young, 1.

Rural Municipalities—(Including Indian Reserves) 304. No. 4, 2; 6, 1; 22, 1; 31, 1; 34, 2; 40, 1; 42, 1; 43, 2; 51, 1; 52, 1; 61, 1; 67, 10; 71, 2; 73, 1; 74, 1; 92, 1; 95, 1; 98, 2; 100, 1; 102, 1; 104, 3; 105, 1; 109, 1; 130, 1; 131, 4; 136, 1; 137, 1; 138, 1; 151, 1; 152, 1; 155, 1; 157, 1; 159, 1; 161, 1; 168, 2; 169, 2; 181, 1; 183, 1; 185, 2; 186, 1; 187, 8; 193, 1; 211, 1; 213, 1; 214, 4; 217, 2; 218, 2; 219, 1; 222, 1; 227, 2; 228, 1; 229, 1; 240, 1; 244, 1; 245, 2; 247, 1; 252, 1; 254, 2; 255, 2; 258, 1; 271, 1; 274, 5; 275, 1; 276, 1; 278, 1; 280, 1; 286, 1; 287, 1; 291, 1; 298, 2; 303, 2; 304, 1; 305, 1; 309, 1; 314, 1; 315, 1; 316, 2; 317, 1; 320, 1; 333, 1; 334, 1; 335, 1; 336, 4; 337, 2; 339, 1; 341, 1; 342, 1; 345, 1; 364, 3; 366, 2; 367, 1; 368, 1; 369, 3; 372, 2; 376, 1; 377, 3; 381, 1; 394, 1; 395, 3; 396, 4; 397, 2; 398, 3; 400, 2; 401, 1; 402, 2; 403, 1; 404, 1; 406, 1; 427, 3; 428, 2; 430, 1; 431, 5; 434, 1; 435, 1; 437, 1; 440, 1; 456, 1; 457, 1; 458, 3; 459, 1; 460, 2; 461, 5; 463, 2; 465, 2; 472, 1; 486, 1; 490, 1; 491, 2; 493, 2; 494, 2; 495, 1; 496, 1; 517, 1; 518, 1; 519, 4; 525, 2; 526, 2; 559, 3; 588, 3; 591, 1; Unorganized Territory: Beauval 2, Buffalo Narrows, 2; Cumberland House, 7; Green Lake, 2; Ile a la Crosse, 6; Island Falls, 1; Nipawin, 1; Reindeer Lake, 3; Indian Reserves, 44.

Armed Forces—7.

TYPHOID AND PARATYPHOID FEVERS—21.

Villages—6. Aneroid, 1; Lockwood, 1; Handel, 1; Foam Lake, 1; Parkbeg, 1; Ponteix, 1.

Rural Municipalities—15. No. 107, 1; 228, 1; 336, 7; 366, 1; 411, 1; 486, 3; Onion Lake Reserve 1.

TYPHOID CARRIER—Total 2

Rural Municipalities—2. No. 281, 1; 428, 1;

VINCENT'S ANGINA—Total Cases 6.

Cities—3. Regina, 1; Saskatoon, 2.

Rural Municipalities—3. No. 67, 3.

WHOOPIING COUGH—Total Cases 164.

Cities—125. Moose Jaw, 14; Prince Albert, 9; Regina, 42; Saskatoon, 60.

Towns—12. Battleford, 1; Melfort, 1; Nipawin, 10.

Villages—11. Ceylon, 2; Cudworth, 1; Dunblane, 6; Riverhurst, 2.

Rural Municipalities—16. No. 228, 1; 253, 2; 286, 3; 370, 2; 410, 1; 461, 1; 486, 3; 491, 2; 559, 1.

TABLE IX— SUMMARY OF DISTRIBUTION OF COMMUNICABLE DISEASE, 1945.

Cases Reported	Moose Jaw	North Battle- ford	Prince Al- bert	Regina	Saska- toon	Swift Cur- rent	Wey- burn	York- ton	(Cities' Totals)	Towns	Vil- lages	Rural Munici- palities	Armed Forces	Total	Per- cent- age
Actinomycosis.....	115	4	132	1	296	7	28	42	1,363	51	102	156	5	1,677	29.8
Chickenpox.....	7			2	9		7		27	2	12	15	1	27	
Conjunctivitis.....	1			1					2	1	27	17		74	1.3
Diphtheria.....											1	5		9	
Diphtheria Carrier.....											2			2	
Encephalitis.....											4	1		11	
Erysipelas.....			21		2				6	4	4	31		76	
Impetigo Contagiosa.....								1	22	4	19	33		36	
Influenza.....										3	3	20		36	
Jaundice.....	34	1	504	103	175	2		12	831	78	13	206	7	1,226	21.8
Measles.....	50	1	89	21	5	2		1	6	102	94	2	21	951	16.9
Meningitis-Cerebrospinal.....					494				658		4	3		7	
Mumps.....	2	1		3	2				8	2	3	6		19	
Pneumonia.....											15	17		36	
Polio-myelitis.....	18		7	12	24		1		62	4	21	33	2	124	2.2
Ringworm.....			32					3	35	6	13	67		121	
Rubella.....	15	11	5	58	69	4	18	15	195	16	34	85	1	331	5.9
Scabies.....											1	20		21	
Scarlet Fever.....														5	
Septic Sore Throat.....														3	
Smallpox.....														6	
Tetanus.....											1	2		3	
Trachoma.....	13	7	16												
Tuberculosis.....				38	67	8		5	154	49	100	304	7	614	10.9
Typhoid & Paratyphoid.....											6	15		21	
Typhoid Carrier.....											3	2		2	
Undulant Fever.....				1					1	2		4		10	
Vincent's Angina.....				1	2				3			3		6	
Whooping Cough.....	14		9	42	60				125	12	11	16		164	2.9
Totals.....	269	26	817	1,026	1,205	23	54	79	3,499	339	596	1,150	44	5,628	
Percentages of total cases.....	4.8	.5	14.5	18.2	21.4	.4	1.0	1.4	62.2	6.0	10.6	20.4	.8		

TABLE X-(A)—MORBIDITY AND MORTALITY CERTAIN COMMUNICABLE DISEASES, 1905-1945

Period	Popula- tion	Diphtheria					Scarlet Fever				
		Cases	Deaths	Deaths per 100 Cases Re- ported	Rate Per 100,000 Popu-lation		Cases	Deaths	Deaths per 100 Cases Re- ported	Rate Per 100,000 Popu-lation	
					Cases	Deaths				Cases	Deaths
1905	250,000	....	23	....	....	9.2	....	14	....	....	5.6
1906	257,763	202	52	25.7	78.0	20.0	98	21	21.4	38.0	8.1
1907	304,230	....	55	....	....	18.0	....	12	....	....	3.9
1908	350,607	210	54	25.7	59.9	15.4	91	5	5.5	25.9	1.3
1909	397,000	201	31	15.4	50.6	7.8	14	22	....	....	7.8
5-Year	Totals	613	215				203	74			
1910	443,397	143	28	19.6	32.3	6.3	323	15	4.6	72.9	3.4
1911	492,432	289	58	20.1	58.5	11.8	474	57	12.0	96.3	11.8
1912	523,512	402	49	12.2	76.8	9.3	561	58	10.3	107.2	11.0
1913	554,592	312	52	16.6	56.3	9.4	1,300	82	6.3	234.5	14.8
1914	585,672	602	42	7.0	102.8	5.6	1,031	25	2.4	176.0	3.3
5-Year	Totals	1,748	229				3,689	237			
1915	616,252	449	29	6.5	72.8	3.8	149	2	1.3	24.2	0.2
1916	647,835	276	44	15.9	42.6	6.1	296	9	3.0	45.7	1.2
1917	669,770	1,005	101	10.0	150.0	14.1	317	25	7.9	47.3	3.7
1918	691,705	776	74	9.5	112.2	10.4	219	11	5.0	31.7	1.5
1919	713,640	278	79	28.4	38.9	9.5	172	19	11.0	24.1	2.3
5-Year	Totals	2,784	327				1,153	66			
1920	735,570	486	91	18.7	66.1	11.0	940	53	5.6	127.8	6.4
1921	757,510	960	159	16.7	126.7	22.8	1,743	87	5.0	230.1	11.4
1922	785,508	1,058	202	19.1	134.7	25.7	1,245	71	5.7	158.5	9.0
1923	814,000	1,133	204	18.0	139.8	25.1	979	41	4.2	120.8	5.5
1924	815,000	1,015	210	20.7	124.5	25.8	920	37	4.0	112.8	4.5
5-Year	Totals	4,652	866				5,827	289			
1925	833,000	581	127	21.8	69.7	15.2	713	23	3.2	85.6	2.8
1926	821,042	470	116	24.8	57.0	14.4	822	23	2.8	100.0	2.8
1927	836,000	369	63	17.1	44.1	7.5	1,013	28	2.7	121.2	3.3
1928	851,000	464	82	17.6	53.9	9.6	1,057	22	2.1	122.7	2.5
1929	866,700	465	92	19.8	53.6	10.6	1,077	43	4.0	124.2	5.0
5-Year	Totals	2,349	480				4,682	139			
1930	882,000	300	69	23.0	30.0	7.9	683	10	1.5	77.4	1.1
1931	921,281	306	39	12.7	33.2	4.2	543	15	2.8	58.9	1.6
1932	933,000	194	40	20.6	20.8	4.3	352	6	1.7	37.7	0.6
1933	951,000	132	18	13.6	13.7	1.9	491	12	2.4	51.6	1.3
1934	966,000	211	22	10.4	22.9	2.3	525	5	.9	54.3	0.5
5-Year	Totals	1,143	188				2,594	48			
1935	978,000	131	16	12.1	13.4	1.6	558	10	.2	57.1	1.0
1936	931,000	117	11	9.4	12.7	1.2	980	16	1.6	105.3	1.7
1937	939,000	72	10	13.9	7.7	1.1	1,648	16	.9	175.6	1.7
1938	941,000	256	28	10.9	27.2	3.0	1,479	12	.8	157.2	1.3
1939	949,000	261	36	13.8	27.5	3.8	716	12	1.7	75.5	1.3
5-Year	Totals	837	101				5,381	66			
1940	930,000	131	24	18.3	14.1	2.6	470	9	1.9	50.5	1.0
1941	896,000	137	12	8.8	15.3	1.3	522	7	1.3	58.3	0.8
1942	906,000	96	7	7.3	10.6	0.8	1,369	13	.9	151.1	1.4
1943	842,000	41	7	17.1	4.9	0.8	1,323	8	.6	157.1	1.0
1944	846,000	92	15	16.3	10.9	1.7	684	2	.3	80.9	0.2
5-Year	Totals	497	65				4,368	39			
40 Years' Total		14,623	2,471				27,897	958			
1945	845,000	74	11	14.8	8.7	1.3	331	1	.3	39.4	.1
Totals.....		14,697	2,482				28,228	959			

TABLE X-(B)—MORBIDITY AND MORTALITY CERTAIN COMMUNICABLE DISEASES, 1905-1945

Period	Popula- tion	Smallpox					Whooping Cough				
		Cases	Deaths	Deaths Per 100 Cases Re- ported	Rate Per 100,000 Population		Cases	Deaths	Deaths Per 100 Cases Re- ported	Rate Per 100,000 Population	
					Cases	Deaths				Cases	Deaths
1905	250,000	....	....	....	....	....	....	4	....	....	1.6
1906	257,763	28	....	....	10.8	....	....	20	....	....	7.7
1907	304,230	....	....	....	....	....	....	18	....	....	5.8
1908	350,607	103	1	.9	29.4	0.3	....	25	....	....	7.1
1909	397,000	....	....	....	....	....	....	27	....	....	6.8
5-Year	Total	131	1					94			
1910	443,397	17	....	....	3.8	....	1	24	....	....	5.4
1911	492,432	125	....	....	25.4	....	33	31	....	6.5	6.3
1912	523,512	327	1	.3	62.5	0.2	153	64	41.8	29.2	12.2
1913	554,592	598	4	.7	107.8	0.7	304	46	15.1	54.8	8.3
1914	585,672	392	2	.5	66.9	0.2	241	27	11.2	41.1	3.6
5-Year	Total	1,459	7				732	192			
1915	616,252	49	2	4.1	7.9	0.2	339	41	12.1	54.8	5.4
1916	647,835	6	....	....	.9	....	1,092	93	8.5	168.6	13.0
1917	669,770	120	....	....	17.9	....	334	60	25.6	34.9	8.5
1918	691,705	97	1	.1	14.0	0.1	556	78	14.0	80.4	10.9
1919	713,640	141	1	.7	19.8	0.1	166	58	34.9	23.3	7.0
5-Year	Total	413	4				2,487	330			
1920	735,570	390	....	....	39.4	....	705	128	18.1	94.5	15.5
1921	757,510	961	8	.8	126.9	1.0	574	58	10.1	75.8	7.6
1922	785,508	266	....	....	33.1	....	471	28	6.0	59.9	3.5
1923	814,000	154	2	....	19.0	0.2	509	75	14.7	62.8	9.2
1924	815,000	234	4	1.7	28.7	0.5	667	81	12.1	81.8	10.0
5-Year	Total	2,005	14				2,926	370			
1925	833,000	62	....	....	7.6	....	860	66	7.6	103.1	7.9
1926	821,042	337	1	.3	41.0	.1	538	108	20.1	65.5	13.1
1927	836,000	340	1	1.3	40.6	.1	349	46	13.0	41.7	5.5
1928	851,000	503	1	0.2	58.4	0.1	362	47	13.0	42.0	5.5
1929	866,700	382	3	.8	44.0	0.3	1,070	58	5.4	123.4	6.7
5-Year	Total	1,624	6				3,179	325			
1930	882,000	375	....	....	42.5	....	689	54	7.8	78.1	6.1
1931	921,281	568	....	....	61.6	....	502	54	10.8	54.5	5.9
1932	933,000	163	1	.61	17.2	.1	701	40	5.7	75.1	4.3
1933	951,000	74	1	1.32	7.7	.1	849	34	4.0	89.2	3.6
1934	966,000	4	....	....	.4	....	1,289	68	5.3	133.4	7.0
5-Year	Total	1,184	2				4,030	250			
1935	978,000	12	2	16.7	1.2	.2	2,204	90	4.1	225.3	9.2
1936	931,000	3	....	....	.3	....	985	50	5.1	105.8	5.4
1937	939,000	3	....	....	.3	....	904	47	5.2	96.3	5.0
1938	941,000	47	2	4.2	5.0	.2	178	18	10.1	18.9	1.9
1939	949,000	31	....	....	3.3	....	1,257	48	3.8	132.5	5.1
5-Year	Total	96	4				5,528	253			
1940	930,000	11	....	....	1.9	....	1,449	65	4.5	155.8	7.0
1941	896,000	25	....	....	2.8	....	399	20	5.0	44.5	2.2
1942	906,000	5	....	....	.6	....	225	29	12.8	24.8	3.2
1943	842,000	4	....	....	.5	....	959	21	2.2	113.9	2.5
1944	846,000	....	....	....	....	....	468	29	6.2	55.2	3.4
5-Year	Total	45					3,500	164			
40 Years'	Total	6,957	38				22,382	1,978			
1945	845,000	5	....	....	.6	....	164	9	5.5	19.6	1.1
Total		6,962	38				22,546	1,987			

TABLE X-(C)—MORBIDITY AND MORTALITY CERTAIN COMMUNICABLE DISEASES, 1905-1945

Period	Popu- lation	Measles					Mumps			
		Cases	Deaths	Deaths per 100 Cases Re- ported	Rate Per 100,000 Population		Cases	Deaths	Rate Per 100,000 Population	
					Cases	Deaths			Cases	Deaths
1905	250,000	....	6	....	....	2.4	....	....	....	....
1906	257,763	274	12	4.4	106.0	4.6	....	....	....	....
1907	304,230	....	6	....	....	1.9	....	....	....	....
1908	350,607	254	11	4.3	72.4	3.1	....	....	....	....
1909	397,000	226	11	4.9	56.9	2.8	....	....	....	....
5-Year	Total	754	46							
1910	443,397	424	19	4.5	95.6	4.3	....	....	....	....
1911	492,432	421	16	4.0	85.5	3.3	66	....	8.4	....
1912	523,512	1,188	50	.4	226.7	9.5	257	....	52.1	....
1913	554,592	1,613	27	1.7	290.8	4.9	132	....	23.8	....
1914	585,672	837	7	.8	142.9	0.9	172	....	29.4	....
5-Year	Total	4,483	119				627			
1915	616,252	1,293	5	.4	209.8	0.6	125	....	20.3	....
1916	647,835	4,419	105	2.4	680.6	14.6	96	....	14.8	....
1917	669,770	2,457	36	1.5	366.8	5.0	834	....	124.5	....
1918	691,705	2,091	38	1.8	302.3	5.3	265	....	38.3	....
1919	713,640	565	14	2.5	79.2	1.6	256	....	35.9	....
5-Year	Total	10,825	198				1,576			
1920	735,570	2,567	32	1.2	348.1	3.9	822	....	111.8	....
1921	757,510	1,850	61	3.3	244.2	8.0	1,455	....	192.1	....
1922	785,508	1,897	18	.9	241.5	2.2	1,346	....	177.7	....
1923	814,000	4,216	66	1.5	520.2	8.1	351	....	43.3	....
1924	815,000	1,507	49	3.2	183.6	6.1	34	1	4.1	.1
5-Year	Total	12,037	226				4,008	1		
1925	833,000	1,919	15	.8	223.0	1.8	588	....	71.8	....
1926	821,042	6,139	118	1.9	746.9	14.4	1,399	2	171.0	.2
1927	836,000	714	12	1.7	85.4	1.4	2,124	3	254.0	.4
1928	851,000	1,995	21	1.05	231.7	2.5	1,553	....	180.4	....
1929	866,700	2,395	28	1.17	276.2	3.2	673	....	77.6	....
5-Year	Total	13,162	194				6,337	5		
1930	882,000	1,249	8	1.4	141.6	0.9	427	2	48.4	.2
1931	921,281	3,294	17	.5	357.5	1.8	895	....	97.1	....
1932	933,000	935	17	1.8	100.2	1.8	404	....	43.3	....
1933	951,000	554	5	.9	58.2	.5	375	....	39.4	....
1934	966,000	3,872	16	.4	400.8	1.7	241	....	24.9	....
5-Year	Total	9,904	63				2,342	2		
1935	978,000	6,124	34	.6	626.2	3.5	6,695	....	719.1	....
1936	931,000	5,309	39	.7	569.2	4.2	2,966	....	317.9	....
1937	939,000	7,078	252	3.6	753.8	26.8	406	....	43.2	....
1938	941,000	412	19	4.6	43.8	2.0	132	....	14.0	....
1939	949,000	261	6	2.3	27.50	.6	144	....	15.17	....
5-Year	Total	19,184	350				10,343			
1940	930,000	6,180	14	.2	664.5	1.5	904	....	97.2	....
1941	896,000	5,003	31	.6	558.4	3.5	1,460	....	162.9	....
1942	906,000	1,590	15	.9	175.5	1.7	5,714	3	630.7	.3
1943	842,000	4,345	26	.6	516.0	3.1	2,151	3	255.5	.4
1944	846,000	2,384	23	.9	281.8	2.7	469	....	55.4	....
5-Year	Total	19,502	109				10,698	6		
40-Years' Total		89,851	1,305				35,931	14		
1945	845,000	1,226	6	.49	145.1	.7	951	1	112.5	.1
Total		91,077	1,311				36,882	15		

TABLE X-(D)—MORBIDITY AND MORTALITY CERTAIN COMMUNICABLE DISEASES, 1905-1945

Period	Popu- lation	Tuberculosis					Typhoid & Paratyphoid Fevers				
		Cases	Deaths	Deaths Per 100 Cases Re- ported	Rate Per 100,000 Population		Cases	Deaths	Deaths Per 100 Cases Re- ported	Rate Per 100,000 Population	
					Cases	Deaths				Cases	Deaths
1905	250,000	....	67	....	....	26.8	....	30	....	....	12.0
1906	257,763	15	73	....	....	28.3	383	120	31.0	148.2	46.5
1907	304,230	87	97	....	....	31.9	....	54	....	....	17.7
1908	350,607	64	129	....	....	36.8	297	77	25.9	84.4	21.9
1909	397,000	....	159	....	....	40.0	831	95	11.4	209.3	23.9
5-Year	Total	166	525				1,511	376			
1910	443,397	35	125	....	....	28.0	587	151	25.7	132.4	34.0
1911	492,432	68	184	....	....	37.4	453	162	35.8	92.0	32.9
1912	523,512	54	202	....	....	38.6	548	153	27.9	104.7	29.2
1913	554,592	63	269	....	....	48.6	1,101	117	10.6	198.5	21.1
1914	585,672	370	265	....	....	38.1	875	92	10.5	149.4	12.4
5-Year	Total	590	1,045				3,564	675			
1915	616,252	131	298	....	....	39.6	566	67	11.8	91.8	8.9
1916	647,835	103	325	....	....	45.7	222	61	27.5	34.3	8.5
1917	669,770	106	295	....	....	49.2	237	54	22.8	35.4	7.5
1918	691,705	91	394	....	....	55.0	209	48	23.0	30.2	6.7
1919	713,640	55	276	....	....	38.9	321	72	22.4	45.1	8.7
5-Year	Total	486	1,588				1,555	302			
1920	735,570	64	348	....	....	42.0	387	80	20.7	52.6	9.7
1921	757,510	61	311	....	....	40.6	183	62	33.9	24.2	8.1
1922	785,508	52	330	....	....	41.6	249	71	28.5	31.6	9.0
1923	814,000	72	332	....	....	40.9	151	63	41.7	31.6	7.7
1924	815,000	102	363	....	....	44.5	83	37	44.5	10.2	4.5
5-Year	Total	351	1,684				1,053	313			
1925	833,000	52	343	....	....	41.3	223	39	17.5	28.1	4.7
1926	821,042	57	382	....	....	46.5	115	30	26.5	13.7	3.6
1927	836,000	51	391	....	....	46.8	91	21	20.0	10.9	2.5
1928	851,000	42	374	....	....	43.4	81	21	26.0	9.4	2.5
1929	866,700	123	374	....	....	42.3	60	23	38.3	6.9	2.7
5-Year	Total	325	1,864				570	134			
1930	882,000	179	407	....	....	46.1	98	29	29.6	11.1	3.3
1931	921,281	261	326	....	....	35.4	88	25	28.4	9.5	2.7
1932	933,000	678	281	41.1	72.6	30.1	98	24	22.4	10.5	2.6
1933	951,000	649	297	45.8	68.2	31.2	63	19	30.2	6.6	2.0
1934	966,000	589	293	49.6	60.9	30.3	91	24	26.4	9.4	2.5
5-Year	Total	2,356	1,604				438	121			
1935	978,000	527	272	51.6	53.9	29.2	69	14	29.3	6.9	1.4
1936	931,000	537	279	51.9	57.7	30.0	136	23	16.9	14.6	2.5
1937	939,000	502	303	60.3	53.5	32.3	204	36	17.7	21.7	3.8
1938	941,000	525	271	44.4	55.8	28.8	74	8	10.8	7.9	.9
1939	949,000	494	233	47.4	52.0	24.6	75	10	13.3	7.9	1.1
5-Year	Total	2,585	1,358				558	91			
1940	930,000	427	241	56.4	45.9	25.9	76	17	22.4	8.2	1.8
1941	896,000	485	284	58.6	54.1	31.7	173	12	6.9	19.3	1.3
1942	906,000	525	251	46.1	57.9	27.7	38	2	5.3	4.2	.2
1943	842,000	503	250	49.7	59.4	29.7	14	1	7.1	1.7	.1
1944	846,000	508	223	43.9	59.9	26.4	18	7	38.8	2.1	.8
5-Year	Total	2,448	1,249				319	39			
40-Year's	Total	9,307	10,917				9,568	2,051			
1945	845,000	614	222	36.1	72.7	26.3	21	5	23.8	2.5	.6
Total		9,921	11,139				9,589	2,056			

TABLE X-(E)—MORBIDITY AND MORTALITY CERTAIN COMMUNICABLE DISEASES, 1905-1945

Period	Popu- lation	Influenza			Chickenpox			
		Cases	Deaths	Rate Per 100,000 Population Deaths Only	Cases	Deaths	Rate Per 100,000 Po pulation	
							Cases	Deaths
1905	250,000	....	9	3.6	....	....	....	....
1906	257,763	....	2	.8	....	....	....	....
1907	304,230	....	11	3.6	....	....	....	....
1908	350,607	....	5	1.4	....	....	....	....
1909	397,000	....	7	1.8	....	....	....	....
5-Year	Totals	....	34					
1910	443,397	....	2	.5	....	....	....	....
1911	492,432	....	....	....	....	....	....	....
1912	523,512	....	....	....	....	....	....	....
1913	554,592	....	....	....	179	....	32.3	....
1914	585,672	....	14	1.8	685	....	116.9	....
5-Year	Totals	....	16		864			
1915	616,252	....	27	3.6	970	....	157.4	....
1916	647,835	....	95	13.2	581	....	89.7	....
1917	669,770	....	42	6.0	801	....	119.6	....
1918	691,705	....	4,916	546.1	701	....	101.3	....
1919	713,640	....	1,010	....	632	....	88.6	....
5-Year	Totals	....	6,090		3,685	....	
1920	735,570	....	479	57.9	1,064	....	144.6	....
1921	757,510	....	58	7.6	1,181	....	142.7	....
1922	785,508	115	259	32.8	782	....	99.5	....
1923	814,000	247	298	36.7	935	....	115.3	....
1924	815,000	97	330	40.5	1,110	1	136.2	.1
5-Year	Totals	459	1,424		5,072	1	....	....
1925	833,000	15	....	....	946	....	113.5	....
1926	821,042	17	....	....	1,457	1	176.3	.1
1927	836,000	45	340	40.7	1,249	....	149.4	....
1928	851,000	373	353	41.0	1,054	....	....	....
1929	866,700	281	439	50.6	1,751	....	....	....
5-Year	Totals	731	1,132		6,457	1		
1930	882,000	13	158	27.9	1,575	....	178.6	....
1931	921,281	299	251	27.2	1,265	1	137.3	.1
1932	933,000	168	261	28.0	1,169	4	125.3	.4
1933	951,000	506	318	33.4	1,386	1	145.7	.1
1934	966,000	35	145	15.0	2,307	1	238.8	.1
5-Year	Totals	1,021	1,133		7,702	7		
1935	978,000	10	168	18.1	1,737	....	177.7	....
1936	931,000	815	282	30.3	2,134	....	229.2	....
1937	939,000	2,184	404	43.0	1,968	3	209.6	.3
1938	941,000	14	154	16.4	1,667	5	177.2	.5
1939	949,000	242	199	21.0	1,517	....	159.8	....
5-Year	Totals	3,265	1,207		9,023	8		
1940	930,000	204	247	26.6	1,783	1	191.7	.1
1941	896,000	179	219	24.5	1,816	....	202.7	....
1942	906,000	132	84	9.3	1,890	2	208.6	.2
1943	842,000	269	171	20.3	2,113	....	251.0	....
1944	846,000	248	161	19.0	1,590	....	187.9	....
5-Year	Totals	1,032	882		9,192	3		
40-Years' Total		6,508	11,918		41,995	20		
1945	845,000	36	68	.8	1,677		195.5	
Totals		6,544	11,986		43,672	20		

TABLE X-(F)—MORBIDITY AND MORTALITY CERTAIN COMMUNICABLE DISEASES, 1905-1945.

Period	Popu- lation	Polio myelitis					Encephalitis		
		Cases	Deaths	Deaths Per 100 Cases Re- ported	Rate Per 100,000 Population		Cases	Deaths	Rate Per 100,000 Population Deaths Only
					Cases	Deaths			
1905	250,000	....	....	....	....	....	....	....	....
1906	257,763	....	....	....	....	....	....	....	....
1907	304,230	....	....	....	....	....	....	....	....
1908	350,607	....	....	....	....	....	....	....	....
1909	397,000	....	....	....	....	....	....	....	....
5-Year Total		..	....				....	....
1910	443,397	3	....	....	.7	....	....	....	....
1911	492,432	3	....	....	.7	....	....	....	....
1912	523,512	18	....	....	3.4	....	....	....	....
1913	554,592	5	....	....	.9	....	....	....	....
1914	585,672	11	....	....	1.9	....	....	....	....
5-Year Total		40	....				....	....
1915	616,252	1	....	....	....	....	....	....	....
1916	647,835	80	15	18.7	12.3	2.0	....	....	....
1917	669,770	10	6	60.0	1.5	.9	....	....	....
1918	691,705	17	....	....	2.4	....	....	....	....
1919	713,640	6	3	50.0	.8	.3	....	....	....
5-Year Total		114	24				....	....
1920	735,570	11	4	36.4	1.5	.4	....	....	....
1921	757,510	9	4	44.4	1.1	.5	....	....	....
1922	785,508	4	2	50.0	.5	.2	....	....	....
1923	814,000	4	5	....	.4	.6	....	....	....
1924	815,000	28	13	46.4	3.4	1.6	....	....	....
5-Year Total		56	28				....	....
1925	833,000	38	....	....	4.6	....	....	....	....
1926	821,042	3	6	....	....	.7	....	....	....
1927	836,000	8	8	....	....	.9	....	....	....
1928	851,000	26	12	46.0	3.3	1.4	....	....	....
1929	866,700	59	4	3.4	6.6	.4	....	....	....
5-Year Total		134	30				....	....
1930	882,000	70	21	30.0	7.9	2.4	....	....	....
1931	921,281	6	11	....	.7	1.2	....	....	....
1932	933,000	6	6	....	.7	.6	....	....	....
1933	951,000	29	8	27.6	3.0	.8	4	....	....
1934	966,000	14	10	71.4	1.5	1.0	....	4	.4
5-Year Total		125	56				4	4	
1935	978,000	22	5	22.7	2.3	.5	....	....	....
1936	931,000	89	9	10.1	9.6	1.0	1	....	....
1937	939,000	512	22	4.3	54.5	2.3	....	....	....
1938	941,000	30	7	23.3	3.2	.7	3	....	....
1939	949,000	16	1	6.2	1.7	.1	4	....	....
5-Year Total		669	44				8	....
1940	930,000	9	2	22.2	1.0	.2	....	....	....
1941	896,000	56	3	5.3	6.2	.3	543	44	4.8
1942	906,000	15	3	20.0	1.6	.3	19	8	.9
1943	842,000	37	3	8.1	4.4	.4	7	6	.7
1944	846,000	17	1	5.9	2.1	.1	2	7	.2
5-Year Total		134	12				571	65	
40-Years' Total		1,272	194				583	69	
1945	845,000	19	3	15.8	2.2	.4	2	3	.4
Totals		1,291	197				585	72	

Exclusive of encephalitis lethargica.

TABLE XI—VACCINES AND SERA ISSUED, 1917-1945.

Product	1917-1941		1942		1943		1944		1945		Total	
	Amount	Cost	Amount	Cost	Amount	Cost	Amount	Cost	Amount	Cost	Amount	Cost
Diphtheria Antitoxin.....	1,064,479,000	\$142,223.82	16,256,000	\$1,968.24	13,093,000	\$1,758.22	19,100,000	\$2,409.20	21,224,000	\$2,568.96	1,134,152,000	\$150,928.44
Diphtheria Toxoid.....	536,228	75,263.51	31,334	5,321.14	33,803	5,838.67	30,871	5,447.51	17,081	3,208.51	649,317	95,079.34
Diphtheria Toxoid and Pertussis Vaccine, (Combined).....	.....	.....	.....	.....	6,069	3,883.00	27,184	14,281.15	24,087	12,476.85	57,340	30,641.00
Diphtheria Schick Test... persons	180,070	1,833.40	17,300	173.00	15,225	152.25	26,975	269.75	20,850	208.50	260,420	2,636.90
Pertussis Vaccine..... persons	34,374	11,790.11	5,459	2,977.00	12,209	6,104.50	11,717	4,407.55	7,813	2,649.19	71,572	27,928.35
Smallpox Vaccine..... persons	847,036	38,012.28	45,370	2,041.65	46,685	2,084.63	53,590	2,411.55	42,420	1,908.90	1,035,101	46,459.01
Typhoid Vaccine..... persons	103,111	8,358.57	1,651	278.85	1,965	309.65	2,633	395.05	1,856	275.20	111,216	9,617.32
Typhoid-Paratyphoid Vaccine..... persons	14,320	1,462.07	2,143	256.05	1,822	216.30	3,314	385.35	1,800	271.20	23,399	2,590.97
Anti-Meningococcus Serum..... c.c.	64,940	4,143.25	3,840	240.00	3,020	188.75	1,060	66.25	.....	.....	72,860	4,638.25
Tetanus Antitoxin..... Units	22,546,000	6,627.82	2,365,000	490.85	2,661,500	497.14	2,860,000	531.85	3,851,500	718.59	34,284,000	8,866.25
Scarlet-Fever Antitoxin.. c.c.	175,245	.....	.....	.....	.....	.....	.....	.....	.....	.....	175,245	.....
Scarlet-Fever Antitoxin.. units	61,799,000	50,854.40	11,256,000	3,231.00	9,696,000	2,797.00	8,658,000	2,495.50	8,031,000	2,328.75	99,440,000	61,706.65
Scarlet Fever Toxin..... persons	193,797	41,172.43	40,159	8,430.02	42,361	8,881.12	49,323	10,454.28	32,139	6,861.44	357,779	75,799.29
Scarlet Fever Toxin Reinforcing doses..... persons	.....	.....	.....	.....	.....	.....	.....	.....	2,097	84.24	2,097	84.24
Scarlet Fever Dick Test..... persons	126,305	3,637.65	9,140	457.25	9,040	452.00	9,335	466.75	10,720	362.00	164,540	5,375.65
Anti-Dysenteric Serum .. c.c.	2,100	280.35	.....	.....	.....	.....	.....	.....	.....	.....	2,100	280.35
Anti-Anthrax Serum..... c.c.	4,100	152.50	.....	.....	.....	.....	100	5.00	.....	.....	4,200	157.50
Polio-myelitis Serum..... doses	1,265	2,871.00	28	63.00	12	27.00	.....	.....	.....	.....	1,305	2,961.00
Encephalomyelitis Antiserum..... doses	607	43.60	20	.....	6	.....	16	.....	.....	.....	649	43.60
Rabies Serum..... doses	2	12.00	.....	.....	.....	.....	.....	.....	.....	.....	2	12.00
T.A.B.T. Vaccine..... persons	.....	.....	.....	.....	.....	.....	.....	.....	106	29.90	106	29.90
Anti-Measles Serum..... persons	.....	.....	.....	.....	.....	.....	.....	.....	127	127.00	127	127.00
Cholera Vaccine..... persons	.....	.....	.....	.....	.....	.....	.....	.....	5	1.50	5	1.50
Typhus Vaccine..... persons	.....	.....	.....	.....	.....	.....	.....	.....	10	3.30	10	3.30
Yellow Fever Vaccine..... persons (20)	.....	.....	.....	.....	.....	.....	.....	.....	6	.....	6	.....
Costs.....		\$388,738.76		\$25,928.05		\$33,190.23		\$44,026.74		\$34,084.03		\$525,967.81

Division of Venereal Disease Control Activity 1945

The year 1945 was one of great extension of the activities of the Division of Venereal Disease Control, faced as it was with the challenge of the goal which it has set for itself and also the additional complications due to the declaration of peace and the consequent return to Saskatchewan of large drafts of veterans from overseas. Definite and immediately recognizable gains resulted from the extension of the activities of the Division during the course of the same year in which they were instituted. In addition, the beneficial results of other procedures which were established during the course of this year will undoubtedly become evident in the years to come.

Before the problem of venereal disease control can be adequately attacked, it must first be assessed. The first problem was therefore, to find out what the actual prevalence of venereal disease is in this province. Although we knew there were indications that the incidence was quite alarming, mainly as a result of the incidence amongst the Armed Service personnel stationed in this province, the statistics based upon the number of cases reported to the Department by private physicians in previous years were not disquieting as compared with other provinces.

A glance at the situation at the beginning of the year on the basis of statistics for 1944 made it obvious that the Department was not obtaining even an approach to a complete picture of the amount of venereal disease which was being treated. This was so for two reasons. In the first place, in 1944, we received one or more notifications of cases of venereal disease under treatment from only 98 physicians of the province. This constituted less than one third of the physicians in active private practice. Furthermore, the ratio of gonorrhea to syphilis which was reported by physicians in 1944 was 1.4 to 1. We know from experience in the armed forces in Canada that the actual ratio of gonorrhea to syphilis is about 6 to 1. It was obvious therefore, that there were many cases of gonorrhea under treatment by the very physicians who did report some cases to us regarding which they did not notify the department.

In any area, this matter of the completeness of reporting is, of course, of great importance. This is particularly true in a rural area where the vast majority of the population requiring treatment for V.D. will get it from their own doctor, and not from clinics situated in a few of the larger centres of population.

One of the most important tasks, therefore, was to deal with this matter of reporting and it is a great pleasure to be able to state that this improved vastly in 1945. So much so, that the director of this Division was asked by the Dominion Council of Health to prepare a special statement of the procedures adopted in this regard for distribution to the other provinces. There was an increase of 107% in the number of physicians reporting one or more cases during the course of this year, the actual number being 203, as compared with 98. In addition, there was a very significant increase in the proportion of gonorrhea to syphilis which was reported by physicians, the figure being 3.2 to 1, as compared with 1.4 to 1 in the previous year. As a result of these factors there was an increase of 161% in the number of cases reported by physicians.

In order to get an accurate picture of the problem of venereal disease, it is furthermore not enough to merely wait for cases to be reported. Because one case of venereal disease always comes from another, it is necessary to trace the chain of infection, to follow up contacts and bring them for examination and treatment wherever necessary. Our work in this regard has been greatly expanded during the course of this year and, as a result of it, we can take pride in the fact that we were able to bring to light and to treatment as a result of these contact tracing activities more than twice as many cases of venereal disease than in the previous year. The figures are 432 cases of venereal disease found in this way in 1945 compared with 183 in 1944, an increase of 139%. In this regard, of special interest and of crucial value is the fact that most notification cards received from physicians contained adequate contact information for follow-up purposes. Through information supplied by physicians, 300 contacts were located and examined in this province, making it possible to bring to light and to treat 145 cases of gonorrhea, 37 cases of syphilis, and 24 cases of non-specific urethritis. Of the total number of contacts examined, 94 were found to be negative. The effectiveness of contact tracing in venereal disease control has been amply demonstrated and the co-operation of physicians in practice is essential in this regard.

These, then are the two primary reasons why one would expect the reported number of cases of venereal disease in 1945 to be significantly greater than in the previous year. Our findings are just that. There was an increase of 42% in the number of cases reported but the actual increase is more than accounted for by the increase in the number of cases that were found as a result of contact tracing and by the much improved reporting on the part of the physicians practising in the province.

It would therefore, be a mistake to quickly conclude that the V.D. situation in 1945 was worse than in 1944. However, a justified conclusion is that venereal disease is very wide-spread in the province indicating as it does an incidence of 245 per hundred thousand on the basis of 1945 figures. A study of the places, towns, villages, and municipalities from which these cases are reported reveal that they are reported fairly evenly from the entire province and there is no one area that is immune. More than one case has been reported from places as far away as Pierceland, Buffalo Narrows, and other very isolated and definitely rural points.

TABLE OF INCIDENCE 1944-45

CASES REPORTED

<i>Syphilis:</i>	1944	1945
Physicians.....	156	234
Clinics.....	186	116
Institutions.....	....	25
Armed Forces.....	20	34
Total.....	<u>362</u>	<u>409</u>
<i>Gonorrhea:</i>		
Physicians.....	222	752
Clinics.....	509	527
Institutions.....	....	9
Armed Forces.....	378	392
Total.....	<u>1,109</u>	<u>1,680</u>
<i>Chancroid:</i>		
Physicians.....	....	1

TOTAL VENEREAL DISEASE

	1944	1945
Physicians.....	378	987—inc. 161%
Clinics.....	695	643—dec. 7%
Armed Forces.....	398	426—inc. 7%
Institutions.....	....	34
Total.....	<u>1,471</u>	<u>2,090—inc. 42%</u>

Another significant finding was that 66% of all cases reported were in people who were under the age of 30. 55% of all cases of early syphilis and 86% of all cases of gonorrhea occurred in people under the age of 30.

A reliable indication of the increased interest and activity in the matter of the diagnosis and treatment of venereal disease is the fact that there was a very significant increase in the amount of free drugs which were provided for the treatment of cases. The large amount of penicillin which was provided was made possible by the fact that the federal restrictions on the distribution of penicillin were lifted in March of 1945.

TABLE OF DRUG DISTRIBUTION

<i>Arsenicals (Doses)</i>	1944	1945
Physicians.....	1,327	5,154
Clinics.....	2,901	2,910
<i>Bismuth (c.c.)</i>		
Physicians.....	8,280	7,650
Clinics.....	5,280	2,990
<i>Penicillin:</i>		
Int. Units.....	6,700,000	390,300,000

There follows a brief description of the highlights of the V.D. Control program during the course of this year.

1. On January 1st, a new notification form (the national Notification Form which has been worked out in co-operation with the various provinces) was put into use. This is a much more complete form providing a great deal more information regarding the case and the contact.
2. At the same time, a comprehensive contact follow-up system was set up to cover the rural areas. Previous to this, this work was usually done by letter and for obvious reasons it was found that this was an unsatisfactory procedure. From that date on, all contact tracing work in the rural areas, in addition to the cities, was done by public health nurses by personal interviews with the individuals involved.
3. In February, two institutes in V.D. epidemiology were held for public health nurses, one in Regina and one in Saskatoon. We were able to obtain the services of Lieutenant M.V. Hahamovitch, from National Defence Headquarters, Ottawa, and Miss Alice Dresge, from the Institute for the Control of Syphilis in Philadelphia to carry most of the burden of these courses. The Saskatchewan Association of Registered Nurses co-operated in this venture.
4. In March, penicillin which previously had only been available free of charge in our clinics, was made available free for the use of all physicians in the treatment of their cases of Venereal Disease. Saskatchewan was the first province to provide this service.
5. During the winter season, instructions were given to hospital orderlies, and jail personnel, concerning proper procedures for obtaining specimens for laboratory examination, from male patients, and to the jail personnel instructions were given in the administration of penicillin, in order that the jail inmates requiring treatment might have continuous therapy where indicated.
6. During the Session of the Legislature, an Amendment was passed to The Solemnization of Marriage Act incorporating mandatory blood test for syphilis as part of the health examination before marriage. At the same time, the province of Alberta passed similar legislation. These two provinces are the first (and at present the only) provinces to adopt this procedure in Canada.
7. In July, with the co-operation of the Department of Education, two teachers one from a high school in Regina, and one from the Normal School in Saskatoon, were given scholarships of \$500.00 each in order to enable them to attend the course in "Health and Human Relations" which was being given at the University of Pennsylvania. Since their return, these teachers have done a great deal to arouse interest amongst the teaching profession in this vital subject.
8. On September 1st, the Amendment regarding the premarital blood testing was put into effect following upon an intensive educational program to acquaint the public and the physicians of the terms of this legislation. This procedure is working out very satisfactorily and is of material assistance in finding cases of premarital syphilis and preventing tragedy.
9. During the course of the summer, a special V.D. Exhibit was shown at a number of Class A and Class B fairs. This exhibit was specially designed for this purpose and was on display a total of 30 days. Twenty-three thousand pieces of literature were distributed during this period.
10. We have taken quite seriously the obvious fact that a broad educational program is of basic importance in venereal disease control. It has been said that "It is not medication but conduct that lies at the core of the venereal disease problem". For this reason, various types of educational materials of value for general or specific use were either designed or purchased. These materials consist of a wide range of films, booklets, pamphlets, and posters. In 1945, for example, 97,000 pieces of literature were distributed.
11. Special emphasis was laid on a program of professional education amongst doctors, nurses, and druggists. A consultative service was offered to physicians. Special brochures were prepared and distributed dealing with technical aspects of the problem.
12. A manifestation of the interest of both the medical profession and the general public is the fact that during the course of 1945, 14% of the population of Saskatchewan over the age of 15 had had a blood test for syphilis.

FUTURE PROGRAM

The year 1945 saw a broadening and an intensification of the provincial venereal disease control program. A natural corollary was the fact that we made significant strides towards obtaining an approach to a reasonably complete picture of the amount of venereal disease that was present in the province.

There are two specific problems which require more attention in the future.

1. The need for education amongst young people in order that they might adopt standards of conduct which will protect them from the evils of promiscuity.
2. There is need for greater emphasis on the importance of prenatal blood testing. Statistics which we have available for the last six months of 1945 indicate that only 25% of expectant mothers are blood tested for syphilis before the fifth month of pregnancy. The closer that we can bring this per cent. to the figure of 100, the sooner we eliminate congenital syphilis.

SASKATCHEWAN ANALYSIS OF VENEREAL DISEASE CASES DIAGNOSED IN CLINICS, 1945

Clinics	Total Cases			Syphilis Acquired Early				Syphilis Acquired Latent and Late										Prenatal		Total Syphilis	Chancroid	Gonorrhea			Total
		Primary		Secondary		Total	Cardio-Vascular		Neuro		Latent		Tertiary Other		Type Undetermined		Total			F	Other Forms		F		
		M	F	M	F		M	F	M	F	M	F	M	F	M	F					M	F			
Total Clinics.....	643	429	214	35	10	11	4	60	1	5	18	12	2	1	7	3	49	7	116	..	350	176	527		
Regina.....	236	151	85	13	1	4	..	18	..	2	9	5	..	..	3	2	21	3	42	..	120	74	194
Saskatoon.....	191	123	68	12	7	1	2	22	..	1	4	1	..	..	..	..	6	2	30	..	105	56	161
Moose Jaw.....	121	87	34	7	1	2	..	10	1	1	3	5	1	1	1	..	12	2	24	..	72	24	96		
Prince Albert.....	84	59	25	2	1	4	2	9	..	1	2	1	2	2	3	1	10	2	19	..	45	20	65		
Swift Current.....	11	9	2	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	8	2	10	1052
Totals.....				45		15		60	1	5	30	3		10	49	116				700	352				

Division of Sanitation

REGINA, SASK., February 5th, 1946

DR. C. F. W. HAMES,
Deputy Minister of Public Health,
Regina, Saskatchewan.

Sir,—

The following report covers the work of the Division of Sanitation for the calendar year 1945.

A new policy was adopted in connection with sanitary engineering services to the smaller urban municipalities. Whereas formerly these municipalities had to rely on engineers in private practice, the new policy made engineering services available through the staff of the Division of Sanitation. Although the extent of this service is limited to preliminary studies and investigations in connection with waterworks and sewerage installations, it is felt that information thus afforded will be an incentive for municipalities to provide modern conveniences where such do not now exist. A number of municipalities have from time to time given serious consideration to improvements of this nature, but hesitated to incur the preliminary expense for a project which might or might not be feasible. As a result no progress was made.

Preliminary investigations, reports and estimates were completed for the following municipalities:

Arcola	Sewerage system.
Carlyle	Sewerage system and extension to waterworks system.
Davidson	Waterworks and sewerage system.
Oxbow	Waterworks and sewerage system.
Preeceville	Waterworks system.
Qu'Appelle	Waterworks and sewerage system.
Radville	Waterworks and sewerage system.
Regina Beach	Waterworks system.
Wolseley	Waterworks and sewerage system.

The total estimated cost of projects referred to above is approximately one-half million dollars.

Municipal Waterworks:

The total value of certificates issued for the extension and construction of water works systems was \$239,985.00 and represented 15 certificates.

Urban and Rural Water Supplies:

An opinion was given on a total of 2,135 water samples which were submitted to the Department for analysis.

Sewerage and Sewage Disposal:

Nine certificates were issued for the extension or construction of sewage disposal plants and sewerage systems, representing a total value of \$117,725.00.

URBAN AND RURAL SANITATION

The inspection staff of the Division has again been increased so that an adequate staff will be fully trained and available for the health regions which are being established. The total number of inspections amounted to 13,344.

Milk Supplies:

The policy of inspecting milk pasteurizing plants located in the cities of the Province was continued throughout the year, and where transportation facilities permitted, weekly samples of pasteurized milk were forwarded to the Provincial Laboratory from all milk pasteurizing plants in the Province. 1,081 analyses were made and reported upon, and the results indicate a general improvement in milk sanitation in the province. In addition to the weekly analyses, 500 additional

samples were examined in those cases where special problems arose. Twelve urban municipalities now have adopted bylaws providing for the compulsory pasteurization of milk as compared with seven in the previous year.

There are 320 towns, villages and rural municipalities in the province which have passed bylaws for the licensing of milk vendors and the compulsory testing of dairy cattle for tuberculosis. Of this number 160 bylaws provide for the testing of cows for infectious bovine abortion in addition to the tuberculin testing. Unfortunately many of the municipalities do not rigidly enforce their bylaws, and one of the difficulties in so doing is the shortage of veterinary surgeons.

Food Supplies:

Two thousand, one hundred and fifty-four butcher shops, slaughter houses and bakeries, where food is stored, processed or sold to the public, were inspected during the year.

Hotels, Boarding Houses and Restaurants:

Two thousand, nine hundred and ninety-eight inspections have been carried out under this heading.

Summer Resorts and Tourist Camps:

Twenty five inspections of summer resorts and twelve of tourist camps were made during the year.

Lumber, Mine and Construction Camps:

One hundred and fifty-one inspections were made under this heading but the majority were in connection with lumbering camps. A full time sanitary officer was employed during the logging season.

GENERAL

A total of 100 plumbing permits were issued. The value of permit fees was \$521.00, and 98 plumbing inspections were made by the sanitary officers. These include inspections of existing installations.

Communicable Diseases:

The number of inspections made in connection with communicable disease was 21.

Vital Statistics:

Inspections and investigations in connection with vital statistics records totalled 26.

Ice Permits:

One hundred and ten permits regarding the sanitary quality of ice harvested by individuals and companies were issued during the winter months.

Cemetery Sites:

Eight new cemeteries were established this year following the submission of satisfactory information regarding the topography and environment of the areas. One addition to a cemetery was also approved.

Slaughter Houses:

Two hundred and fourteen butcher slaughter house licences were issued and seventy-seven beef ring slaughter house licences, making a total of two hundred and ninety-one. Last year the total number of slaughter house licences issued was two hundred and eighty nine.

Hydrocyanic Acid Fumigation:

Permits were issued to seven fumigators authorizing them to use hydrocyanic acid gas.

Council and Public Meetings:

The district sanitary officers addressed a total of sixty-five meetings of municipal councils and other public bodies.

Summary of Inspections:

Water, milk and food supplies.....	6,213
Hotels, boarding houses and restaurants.....	2,998
Waste disposal.....	1,229
Public places, schools, institutions, etc.....	126
Communicable disease and Vital Statistics.....	47
Plumbing.....	98
Camps.....	150
Barber Shops.....	494
Sundry and miscellaneous.....	1,989
Total.....	13,344

HOSPITAL INSPECTIONS

Thirty-four inspections were made in connection with sites for proposed hospitals, additions to hospitals, newly established hospitals etc. In addition twenty-three routine inspections in connection with plumbing and drainage were made by the district sanitary officers.

CORRESPONDENCE

During the year 5,624 letters were received and 8,544 were dispatched including circular letters and correspondence to and from the district sanitary officers.

Last year the number of letters received was 4,954, and those dispatched was 8,405.

APPENDICES

Attached are four tables in connection with this report: Number 1 is in connection with waterworks; Number 2 sewerage and sewage disposal; Number 3 sanitary environment scores awarded urban municipalities and Number 4 inspections made by the district sanitary officers.

Respectfully submitted,

J. G. SCHAEFFER,
Director,
Division of Sanitation.

TABLE NO. 1—WATERWORKS

Date 1945	Municipality	Work Authorized	Amount
Jan. 15	Maple Creek.....	Extension of waterworks system.....	\$17,000.00
April 23	Regina	Extension of waterworks system.....	8,000.00
April 24	Saskatoon.....	Extension of waterworks system.....	47,835.00
April 26	Sutherland.....	Extension of waterworks system.....	8,000.00
May 1	Indian Head.....	Extension of water supply system.....	7,700.00
May 7	Moose Jaw... ..	Extension of waterworks system.....	950.00
May 10	Saskatoon.....	Extension of waterworks system.....	2,535.00
May 14	Kindersley.....	Improvement of water supply system.....	200.00
May 21	Yorkton.....	Extension of waterworks system	8,000.00
July 5	Biggar.....	Improvements to waterworks system.....	1,050.00
July 17	Weyburn.....	Extension to waterworks system.....	2,400.00
Aug. 24	Moose Jaw.....	Extension to waterworks system.....	1,165.00
Sept. 5	Moose Jaw.....	Extension of waterworks system.....	10,650.00
Sept. 14	Assiniboia.....	Improvements to waterworks system.....	10,000.00
Sept. 19	Moose Jaw.....	Extension of waterworks system.....	114,500.00
Total.....			\$239,985.00

TABLE NO. 2—SEWERAGE

Date 1945	Municipality	Work Authorized	Amount
March 16	Weyburn.....	Extension of sewage treatment plant	\$5,600.00
April 24	Saskatoon.....	Extension of sewerage system.....	51,155.00
May 7	Moose Jaw.....	Extension of sewerage system.....	825.00
May 10	Saskatoon.....	Extension of sewerage system.....	2,190.00
July 3	Melfort.....	Extension of sewage treatment plant.....	45,000.00
Aug. 16	Weyburn.....	Extension of sewerage system.....	1,650.00
Aug. 24	Moose Jaw.....	Extension of sewerage system.....	1,180.00
Sept. 5	Moose Jaw.....	Extension of sewerage system.....	6,750.00
Nov. 1	Moose Jaw.....	Extension of sewerage system.....	3,375.00
Total.....			\$117,725.00

DISTRICT No. 4 (CONT'D)	DISTRICT No. 5 (CONT'D)	DISTRICT No. 6 (CONT'D)	DISTRICT No. 7 (CONT'D)
<i>Villages</i> (Cont'd)	<i>Villages</i>	<i>Villages</i> (CONT'D)	<i>Villages</i> (CONT'D)
Score	Score	Score	Score
Togo..... 73	Semans..... 84	Glidden..... 74	Spiritwood..... 70
Spy Hill..... 72	Colonsay..... 82	Kyle..... 74	Meota..... 69
Lebret..... 72	Simpson..... 80	Plato..... 74	Senlac..... 69
Pelly..... 71	Viscount..... 80	Plenty..... 74	Marshall..... 69
Hyas..... 71	Hepburn..... 79	Luseland..... 72	Edam..... 68
Fenwood..... 71	Loreburn..... 79	Madison..... 72	Maymont..... 68
Churchbridge.... 70	Guernsey..... 77	Brock..... 71	Fielding..... 67
Dafoe..... 70	Aberdeen..... 76	Milden..... 71	Mervin..... 67
Killaly..... 70	Young..... 76	Elrose..... 70	St. Walburg..... 67
Norquay..... 70	Tate..... 75	Flaxcombe..... 70	Rockhaven..... 66
Abernethy..... 69	Bladworth..... 74	Landis..... 70	Paynton..... 65
Hubbard..... 69	Drake..... 74	Major..... 70	Adanac..... 62
Raymore..... 69	Lucky Lake..... 74	Mantario..... 70	Hafford..... 62
Stockholm..... 69	Glenside..... 73	Richlea..... 70	Vawn..... 61
Esterhazy..... 68	Hague..... 73	Ruthilda..... 70	Rabbit Lake 57
Rama..... 68	Manitou Beach 73	Tessier..... 70	Leoville..... 55
Willowbrook..... 68	Kenaston..... 71	Salvador..... 69	Richard..... 55
Goodeve..... 67	Beechy..... 70	Sovereign..... 68	
Grayson..... 67	Macrorie..... 69	Harris..... 67	DISTRICT No. 8
Lestock..... 67	Elstow..... 68	Primate..... 67	<i>Towns</i>
Neudorf..... 66	Vanscoy..... 68	Smiley..... 67	Melfort..... 91
Sheho..... 66	Strongfield 67	Evesham..... 66	Nipawin..... 89
Atwater..... 66	Meacham..... 67	Druid..... 65	Humboldt..... 86
Hudson Bay	Allan..... 66	Doddsland..... 63	Duck Lake..... 77
Junction..... 65	Dalmeny..... 66	Leipzig..... 63	Star City..... 72
Invermay..... 65	Broderick..... 65	Leney..... 63	Tisdale..... 58
Elfros..... 64	Zelma..... 65	Tramping	
Rose Valley..... 64	Laird..... 64	Lake..... 63	<i>Villages</i>
Bangor..... 63	Plunkett..... 64	Stranraer..... 62	Codette..... 93
Dubuc..... 63	Conquest..... 63	Hughton..... 61	Valparaiso..... 86
Leross..... 63	Dundurn..... 63	Netherhill..... 61	Blaine Lake..... 82
Margo..... 63	Imperial..... 63	Handel..... 60	Canwood..... 81
Waldron..... 63	Laura..... 63	Kelfield..... 60	Kinistino..... 81
Lintlaw..... 62	Bradwell..... 62	Revenue..... 60	Spalding..... 81
MacNutt..... 62	Duval..... 62	Denzil..... 59	Birch Hills..... 80
Preeceville..... 62	Girvin..... 62	Herschel..... 59	Leask..... 80
Insinger..... 61	Jansen..... 62	Kinley..... 59	Naicam..... 80
Leslie..... 61	Dunblane 61	Marengo..... 57	White Fox 80
Stenen..... 60	Waldheim..... 61	McGee..... 57	St. Brieux..... 78
Stornoway..... 60	Birsay..... 60	Loverna..... 56	Shellbrook..... 77
West Bend..... 60	Swanson..... 60	Springwater..... 55	Bruno..... 76
Arran..... 59	Bounty..... 59	DISTRICT No. 7	Choiceland..... 76
Buchanan..... 58	Leroy..... 57	<i>Towns</i>	Meath Park..... 74
Calder..... 58	Ardath..... 56	Wilkie..... 94	Arborfield..... 72
Theodore..... 58	Hawarden 55	Lloydminster .. 88	Big River..... 72
Wroxton..... 58	Lockwood..... 51	Battleford..... 87	Cudworth..... 71
Porcupine	Liberty..... 48	Unity..... 79	Lake Lenore..... 70
Plain..... 57	Prud'homme..... 48	Radisson..... 75	Marcelin..... 70
Jasmin..... 53	DISTRICT No. 6	Meadow Lake 68	Parkside..... 70
Veregin..... 52	<i>Towns</i>	<i>Villages</i>	Wakaw..... 70
Ituna..... 50	Kindersley..... 89	Metinota..... 91	Carrot River .. 70
DISTRICT No. 5	Rosetown..... 86	Maidstone..... 87	Alvena..... 69
<i>Towns</i>	Biggar..... 85	Cutknife..... 82	Debden..... 67
Watrous..... 89	Scott..... 85	Spruce Lake..... 78	Muenster..... 67
Govan..... 87	Eston..... 80	Borden..... 77	Ridgedale..... 66
Hanley..... 85	Kerrobert..... 75	Lashburn..... 77	Smeaton..... 66
Nokomis..... 83	Zealandia..... 74	Waseca..... 75	Love..... 66
Davidson..... 81	Macklin..... 72	Medstead..... 74	St. Gregor..... 65
Delisle..... 80	Alsask..... 49	Ruddell..... 74	Yellow Creek... 65
Langham..... 78	<i>Villages</i>	Turtleford..... 74	Wildon..... 64
Rosthern..... 73	Eatonia..... 88	Glaslyn..... 73	Domremy..... 62
Lanigan..... 68	Perdue..... 80	Mardsen..... 73	Beatty..... 61
Asquith..... 66	Dinsmore..... 78	Denholm..... 72	Englefield..... 60
Outlook..... 64	Wiseton..... 77	Speers..... 72	Zenon Park 60
Vonda..... 64		Krydor..... 71	Shell Lake..... 58

TABLE NO. 4—INSPECTIONS BY DISTRICT SANITARY OFFICERS FOR CALENDAR YEAR 1945

Districts	Water Supplies	Milk Supplies	Food Supplies	Schools and Institutions	Tourist camps	Summer Resorts	Hotels	Boarding Houses	Restaurants	Licensed Premises	Hospitals	Plumbing Inspections	Camps—Lumber, Mining, etc.	Waste Disposal Grounds	Communicable Diseases	Vital Statistics	Barber Shops	Public and Council Meetings	Miscellaneous	Total Inspection Hours	Municipal Officials Interviewed	Municipal Inspections	Total Inspections
1.....	301	289	398	50	4	..	107	8	194	80	3	6	..	114	..	22	46	3	141	659	354	93	1,766
2.....	330	243	366	3	4	1	191	14	419	127	..	5	..	217	4	..	133	12	81	889	646	102	2,150
3.....	216	177	218	2	1	2	120	5	178	106	..	9	..	156	..	..	35	3	8	385	243	154	1,236
4.....	326	125	212	1	1	8	92	5	143	78	4	8	15	102	8	2	10	2	51	315	227	113	1,193
5.....	456	249	236	21	..	1	161	10	239	124	1	23	1	191	1	..	67	33	452	790	550	62	2,266
6.....	156	275	160	..	..	4	88	9	197	78	12	28	..	100	3	..	36	7	126	454	425	71	1,279
7.....	279	169	280	..	..	7	190	11	231	160	..	3	..	209	2	..	164	4	41	670	394	75	1,751
8.....	155	313	284	2	2	2	145	1	240	125	3	16	135	140	3	1	3	1	132	569	222	95	1,703
	2,219	1,840	2,154	79	12	25	1,094	63	1,841	878	23	98	151	1,229	21	26	494	65	1,032	4,731	3,061	765	13,344

Division of Laboratories

REGINA, SASK., April 10, 1946.

DR. C. F. W. HAMES,
Deputy Minister of Public Health.

Sir:

I have the honour to present the following report on the work of the Division of Laboratories for the year 1945.

This year saw the conclusion of hostilities in Europe and the Pacific and resulted in the return of many physicians to their practices in the province. This undoubtedly resulted in an increase of work submitted to the laboratory and as more communities secure the services of doctors this trend will continue. 1945 also saw the peak of the demobilization program for the armed services in this province. All army and air force personnel were given a blood test for Syphilis prior to being discharged. These tests were performed in our laboratories and at one time resulted in over a thousand serological tests being made every day. Considering that the laboratory is planned and staffed to handle a normal volume of 500 to 600 per day in this section, this presented a formidable task. However, the attitude of service of the staff was such that the results were available at the scheduled times and special commendation is due all members of the staff, technical, stenographic and glass washing for this achievement. With the closing of the No. 6 Release Centre, of the R.C.A.F. the situation eased materially.

The volume of work was greater in all sections of the laboratory than in 1944 (Table 1) and was due to increased general use of the laboratory rather than a sharp rise in military work.

TABLE 1

EXAMINATIONS MADE IN VARIOUS SECTIONS DURING YEARS 1943, 1944 AND 1945.

	1945	1944	1943
Luetic Serology.....	105,353	75,408	70,171
Blood Agglutinations.....	3,095	2,189	1,686
Bacteriology.....	14,988	10,278	6,412
Sanitary Examinations.....	10,284	8,329	6,776
Lab. Pasteurization of Milk.....	442	.....	.....
Chemical.....	2,505	1,883	1,895
Haematology.....	678	379	976
Undulant Fever Survey.....	.....	11,554	.....
Whey Agglutinations for Undulant Fever.....	442	.....	.....
Swine Erysipelas.....	.....	8,942	.....
Blood Meal of Mosquitoes.....	300	1,408	.....
Totals.....	138,087	120,370	87,916

Figure I. shows the marked upward trend of the over all examinations made in the laboratory from the years 1939 to 1945 inclusive. These results do not include the examinations made by the tissue pathological service at the City Hospital in Saskatoon and the Grey Nuns' Hospital in Regina.

The section most affected by the amount of military work which came to the laboratory was the Luetic Serology section. Figure II, shows the distribution of specimens from various sources, military, blood donor and civilian, which have come to the laboratory during the course of the years 1942 to 1945 inclusive. Little or no information is available as to the distribution for the war years prior to 1942. It is readily seen that there is continuous steady increase in the blood testing programme of civilian population proper, as distinguished from the military group. This rise has been reflected in all phases of the laboratory work and merely reflects the increased general utilization of the laboratory service.

An additional factor that probably caused some increase in blood samples was the institution of compulsory blood testing for marriage health examinations, but it was not possible to determine the number of specimens arising from this source as all requisitions were not marked as being for this purpose.

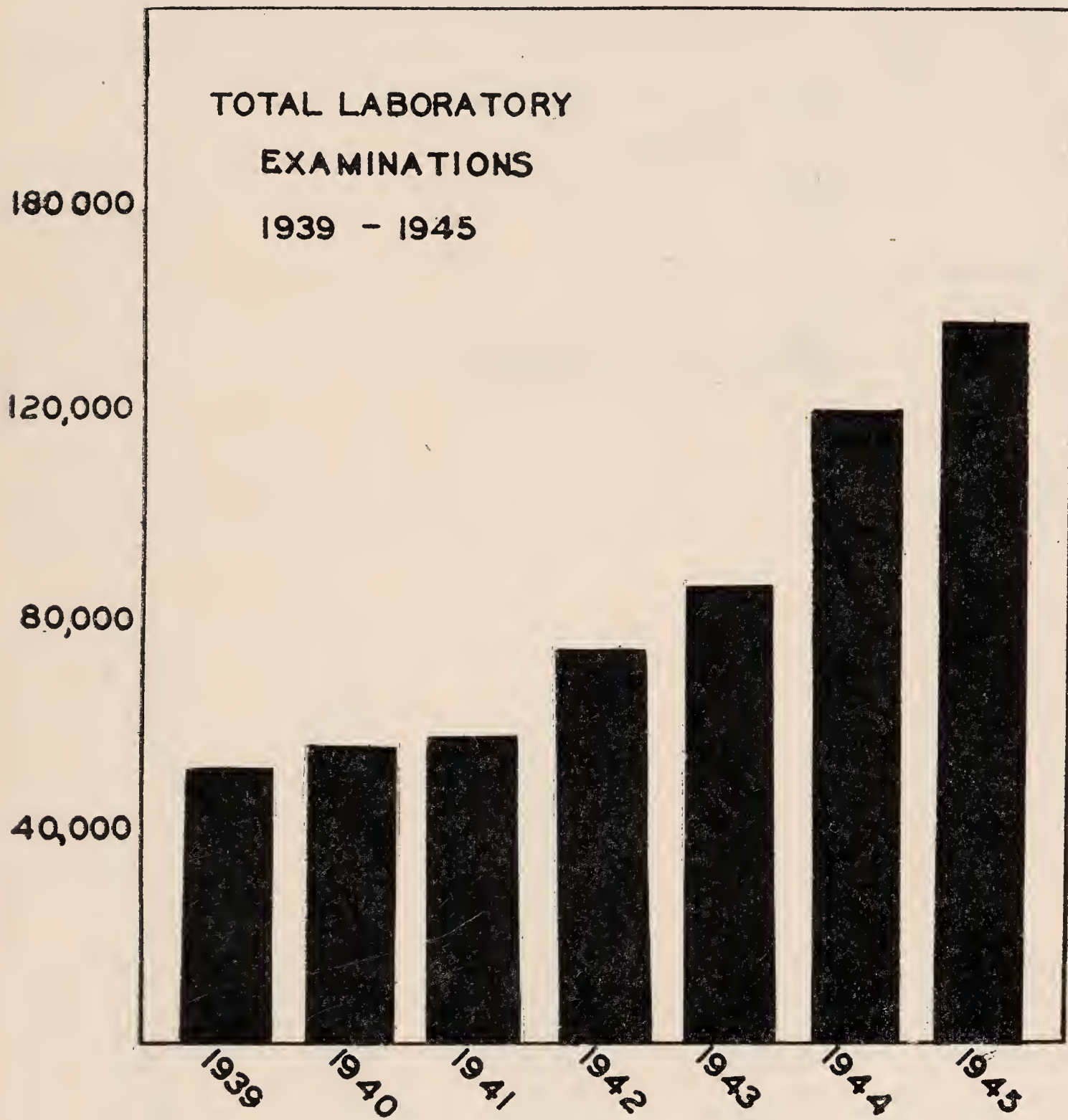


FIG. 1

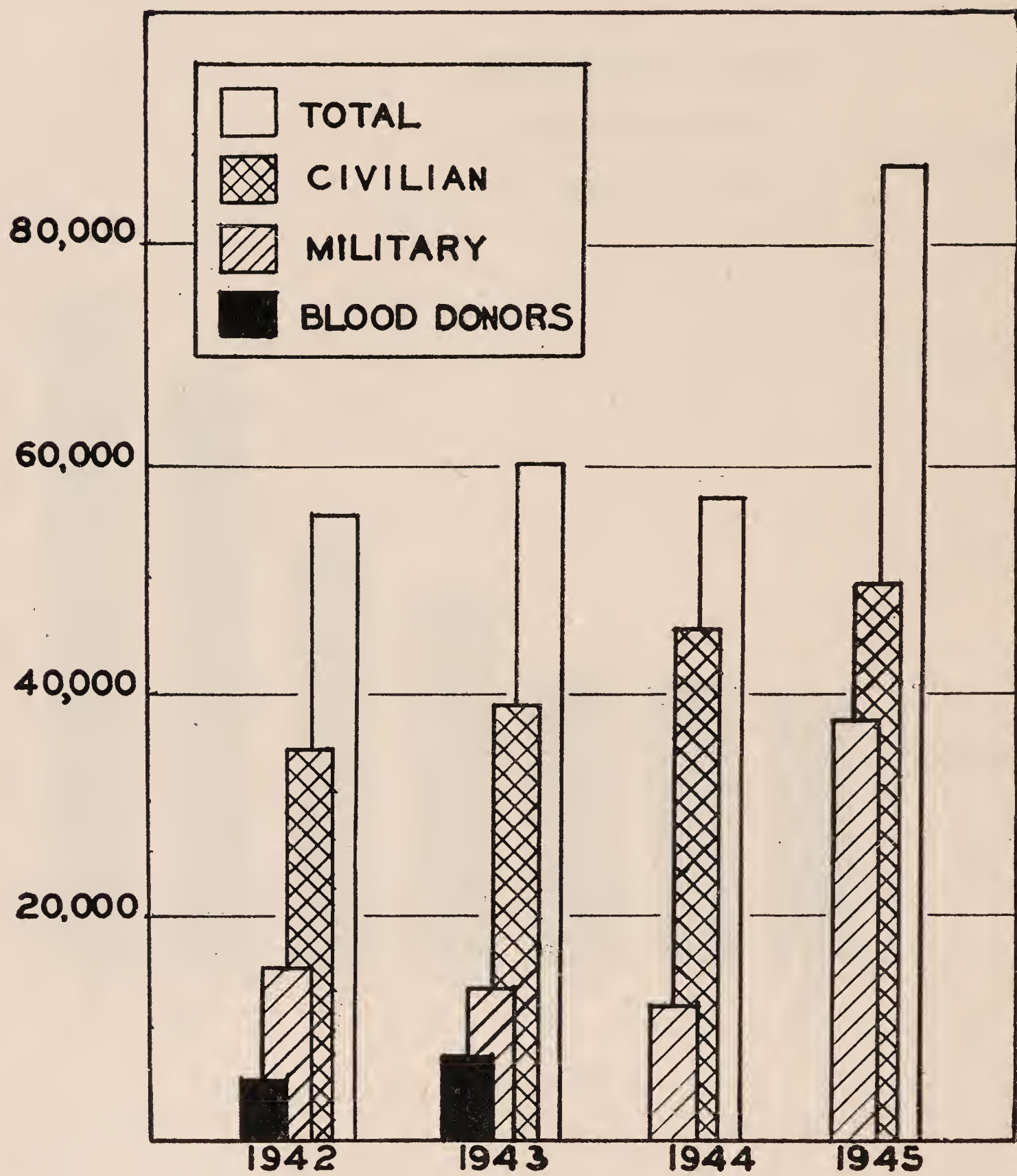


FIG. 2-SPECIMENS FOR LUETIC SEROLOGY

Much of the Director's time this year, was given to preparing plans for the new central laboratory that is now under construction. Detailed plans of space distribution were prepared for the architects and the types and location of equipment and benches with all services required were planned. This made it necessary to contact many other laboratories and people to ensure incorporating modern features.

As part of the expanded services planned for the new laboratory, arrangements have been made for co-operation with the Department of Agriculture in the fields of dairy examinations and animal diseases. The existing Dairy Branch Laboratory operated by that Department is to be incorporated as part of the new Public Health Laboratory and will carry on its present control work in the butter industry and will in addition, undertake and supervise our sanitary examinations of milk supplies. The animal diseases section will have to be developed completely but will provide much assistance in securing proper control of diseases transmissible from animals to humans as well as providing diagnostic service for the southern areas of the province. This section will work in close co-operation with Dr. J. S. Fulton, Director of the Animal Diseases Research Laboratory at the University of Saskatchewan.

Attempts have been made to secure the services of a medical bacteriologist, an animal pathologist and a chemist to take charge of their respective sections of the new laboratory. At the end of the year no definite appointment had been made except that of a chemist, although a number of other contacts have been made that will possibly lead to a suitable appointment at a later date.

Considerable planning and survey work has been done in connection with the establishment of one or more branch laboratories in the province. Preliminary plans have been completed for erecting a building at the Mental Hospital at North Battleford which will provide space for a laboratory to do the Public Health work in that areas as well as diagnostic service for the Mental Hospital and surrounding rural areas.

During the course of the year we had the offer of a building for rent from the Victoria Hospital at Prince Albert and the suggestion was made that in addition to doing Public Health work for that area that we might undertake to do the regular hospital diagnostic procedures as well. This building would be admirably suited for the combined purpose and it would seem advisable that if this program was undertaken that the Public Health Clinic might also be housed in this building.

In preparation for the establishment of branch laboratories throughout this province the laboratory staff undertook the compilation of a book of methods for the work of the laboratories. It is essential that all branches use the same methods in order to secure concordant results so methods were included that had proved reliable in our hands. This book was practically completed during the course of the year and will be finished during 1946.

During 1945 a laboratory directors conference was organized by the Department of Health and Welfare at Ottawa through the Laboratory of Hygiene. The laboratory directors of all Public Health Laboratories from across Canada assembled in Ottawa on May 21 and 22 to the first meeting of this body. During the two day sessions, mutual problems were discussed and a very great deal of assistance was had from the comments of the various men and from the plans being made there. It was voted unanimously that these conferences be continued as an annual event as they form the basis upon which problems can be discussed by the directors and where suggestions may be made to the Laboratory of Hygiene as to how that organization can best fit into the work of the Provincial Laboratories.

It was recommended that the Laboratory of Hygiene continue to supply antigens for Luetic Serological examinations made in the Public Health Laboratories across Canada. Antigens would be supplied to other laboratories in each province approved by the Public Health Laboratory of that province. As a result of studies made on lyophile complement prepared in the Laboratory of Hygiene and distributed on a small scale to the Public Health Laboratories, it was recommended most strongly that the Laboratory of Hygiene produce lyophile complement in quantity as soon as possible to supply the needs of Public Health Laboratories of Canada. This will be distributed on the same basis as antigen. The Laboratory of Hygiene was requested to study the advisability of preparing standardized antigens for diagnostic procedures in connection with enteric infections. The Laboratory of Hygiene has already extended their facilities to the Public Health Departments of the province for the grouping of Streptococcus infections in cases of epidemics. This was extended to the serological typing of diphtheria and an attempt was to be made to establish what serological types were to be found in Canada. The production and distribution of antigen for the enteric procedures would not be designed to take

the place of those produced in laboratories that wished to maintain this phase of the work themselves. It was thought that where the laboratory was large enough to maintain adequate staff that it was important that staff should be utilized for production of such material.

Table II indicates the examinations made in the various sections of the laboratory and provides a comparison with the two previous years.

TABLE II

	1945	1944	1943
<i>Bacteriology:</i>			
Diphtheria:			
Direct smears.....	.....	.....	10
Cultures.....	1,203	2,921	636
Virulence.....	32	34	10
Further tests.....	32	23	1
Vincent's Angina.....	.....	21	29
Tuberculosis:			
Sputa.....	123	298	180
Urine.....	21	11	7
Miscellaneous.....	81	65	4
Guinea pig inoculations.....	17	14	10
Cultures.....	16	19	....
Gonorrhoea:			
Smears.....	9,613	5,164	4,538
Cultures.....	307	526	14
Complement fixation.....	15	8	4
Staphylococcus, Streptococcus and Pneumococcus Infections:			
Blood Cultures.....	44	....	....
Pleural.....	63	42	27
Sputum.....	21	....	.....
Miscellaneous.....	244	35	18
Vaccines.....	76	47	60
Pneumococcus typing.....	8	1	.....
Streptococcus typing.....	7	.....	.....
Enteric Diseases:			
Cultures-			
Blood.....	47	274	217
Faeces.....	230	209	148
Urine.....	115	144	48
Milk.....	4	.....	.....
Water.....	20	.....	.....
Foods.....	13	.....	.....
Agglutinations:			
Typhi H.....	448	401	301
Typhi O.....	448	401	301
Para. A.....	448	401	171
Para. B. (Type).....	448	401	285
Para. B. (Group).....	448	401	285
Brucella abortus.....	711	569	857
Pasteurella tularensis.....	206	403	61
Shiga and Shigella.....	....	....	6
Rocky Mountain Spotted Fever.....	22	14	1
Fungus Infections.....	28	4	4
Parasitology:			
Faeces.....	64	53	50
Malaria.....	16	.....	.....
Miscellaneous Bacteriological Examinations:			
Mastitis.....	807	35	66
Food Poisoning.....	19	.....	.....
Miscellaneous.....	138	268	318
Sterility of Hospital Supplies:			
Dressings.....	12	} 9	} 4
Gloves.....	3		
Miscellaneous.....	71		
TOTAL.....	16,689	13,216	8,671

TABLE II—*Continued.*

	1945	1944	1943
<i>Haematology:</i>			
Complete blood count.....	79	69	53
Differential Smears.....	485	310	344
Grouping.....	26	.....	579
Paul Bunnell.....	41	.....	4
Stipple cells.....	1	.....	.....
Rh factor tests.....	18	.....	.....
TOTAL.....	650	379	980
<i>Syphilis:</i>			
Primary lesions:			
Dark field.....	31	.....	.....
Fontanas.....	36	23	67
Serology:			
Presumptive Kahn.....	86,860	57,284	38,825
Diagnostic Kahn.....	7,047	7,506	4,508
Quantitative Kahn.....	1,388	1,109	470
Verifications.....	8	.....	.....
Kolmer Blood.....	7,075	8,197	24,864
Kolmer Cerebrospinal.....	1,059	752	595
Laughlen.....	.....	.....	433
Cerebrospinal Fluid:			
Protein.....	360	141	107
Glucose.....	167	112	97
Cell count.....	266	.....	.....
Colloidal Gold.....	393	129	144
Chlorides.....	31	9	29
Cultures & Smears.....	239	115	99
TOTAL.....	104,960	75,377	70,238
<i>Sanitary Examinations:</i>			
Water:			
Standard plate count.....	1,183	1,251	1,390
B. coli Presumptive.....	1,797	1,938	2,092
B. coli confirmed.....	938	882	531
B. coli complete.....	62	19	.....
Routine chemical.....	2,089	2,062	2,276
Milk:			
Standard plate count.....	1,135	538	160
B. coli count.....	1,164	523	54
Phosphatase.....	849	513	.....
Total solids and butter fat.....	961	562	174
TOTAL.....	10,178	8,288	6,677

	1945	1944	1943
Chemistry:			
Clinical:			
Urinalysis.....	1,241	1,113	1,385
Blood glucose.....	231	164	104
Urea	55	63 }	
N.P.N.....	106	14 }	60
Creatinine.....	20	6	3
Uric acid.....	11	2	
Chloride.....	19		
Cholesterol.....	37	7	
Alcohol.....	19		
Serum Protein.....	68		
Albumen globulin ratio.....	29		
Thiocyanate.....	17		
Calcium.....	23	23	8
Phosphorus.....	10	15	
Phosphatase.....	20		
Vandenbergh.....	22		
Icterus Index.....	4	11	7
Gastric Analysis.....	44		35
Glucose tolerance.....	13	10	16
Fat in faeces.....	12		
Food Examinations.....	38	32	37
Liquor Act samples.....	82	45	49
Liquor Board samples.....	35	22	29
Toxicology:			
Coroners.....	174	110	50
General.....	37	36	49
Complete water analysis.....	53	159	27
Specifications.....	12		
Miscellaneous.....	42	20	25
TOTAL.....	2,474	1,852	1,884
Surveys:			
Stream Pollutions.....	96		
Mosquitoes Blood Meal.....	300	1,408	
Milk—Whey agglutinations for Brucellosis.....	442		
Laboratory Pasteurization.....	442		
Blood—Agglutinations for human			
Brucellosis.....	512	11,554	
Swine Erysipelas.....		8,942	
Tissue Pathology Service:			
Regina.....	3,358	2,815	2,052
Saskatoon.....	3,383	2,873	2,444
TOTAL.....	8,533	27,592	4,496
GRAND TOTAL.....	143,484	126,704	92,946

BACTERIOLOGY:

Diphtheria: There were 1,203 diphtheria cultures submitted during the course of the year and although not as many as during the year 1944, (2,921), a large number of those submitted in 1944 consisted of a carrier survey carried out at Estevan, while those during 1945 consisted of routine cultures from suspected or real cases. There were 88 positive cultures received and on these 32 virulence tests were run and 32 specimens were given further examination to determine whether they were gravis, mitis or intermedius. Table III shows the work done in this field in 1945, as well as 1944.

TABLE III

	1945	1944
Cultures examined.....	1,203	2,921
Cultures positive.....	88	236
Virulence tests.....	32	34
Positive virulence tests.....	29	34
Typing Gravis.....	31	34
Intermedius.....	1	
Total.....	1,384	3,359

Arrangements were made with the Laboratory of Hygiene at Ottawa to send cultures of all virulent diphtheria organisms isolated in the laboratories to them in order to have serological typing done. This is part of a programme designed to determine what serological types of diphtheria were to be found in Canada as a whole. One of the virulent cultures submitted to the Laboratory of Hygiene proved not to be a gravis type but to be a virulent organism of the intermedius type. The others were true gravis in form but no report has been received in regard to the serological type except in two instances, both of which proved to be type II. The positive cases isolated in the province proved to be scattered in nature and at no point did a major outbreak occur.

ENTERIC DISEASES:

The enteric diseases section of the laboratory was more actively used than in any previous year and there was a greater number of isolations of enteric organisms than at any previous time.

Table IV shows a list of the organisms isolated and identified. All organisms that are isolated, that apparently belong to any of these groups, but cannot be identified with the antisera available in these laboratories, are immediately referred to Dr. Dolman's laboratory, University of British Columbia for identification of Salmonellas, or to the Laboratory of Hygiene for the serological identification of the various Shigas and Shigella that may be isolated. There have been a number of organisms isolated from cases this year which have not been known to occur in Saskatchewan previously. In this connection we might mention Salmonella worthington, S. typhimurium (Copenhagen) and S. sundvall. We are anxious to secure as comprehensive a list of the organisms causing enteric infections in the province, as possible, as there is no comprehensive information available on this at the present time. It will be interesting to see whether there is a marked up swing of isolations of unusual types within the next few years as a result of men in the armed services returning from overseas.

TABLE IV

ORGANISMS ISOLATED FROM CASES OF GASTRO-ENTERIC INFECTIONS.

E. typhosa	2 from blood cultures
	2 from faeces
S. paratyphi B.	1 from urine
S. typhimurium	4 from faeces
S. typhimurium (Copenhagen)	from faeces
S. worthington	from vomitus
S. sundvall	from faeces
Shigella para-dysenteriae (Flexner W)	2 from institutional outbreak.
Shigella para-dysenteriae (Flexner V)	faeces.

VENEREAL DISEASES:

Gonorrhoea: During the year the number of specimens submitted for examination in connection with Gonorrhoeal infection has markedly increased. The increase in numbers appears to be related to the discharge program for the armed services which became particularly active in the latter part of the year. This is indicated in the monthly totals shown in Table V.

TABLE V
EXAMINATIONS FOR GONORRHOEAL INFECTIONS

Month	Smears.	Cul- tures.	Comple- ment Fixation.
January.....	751	130	1
February.....	636	90	....
March.....	697	22	2
April.....	691	18	2
May.....	608	2	1
June.....	561	4	1
July.....	462	4	1
August.....	642	2	1
September.....	904	8	4
October.....	1,216	2	1
November.....	1,206	6	....
December.....	1,239	19	1
Total.....	9,613	307	15

Culturing for Gonorrhoea has not proved satisfactory when specimens have been taken by persons other than the laboratory staff. Almost universally, specimens submitted from outside sources, even when brought directly to the laboratory, failed to show the growth of Gonococci, while specimens taken by various members of the laboratory staff and brought under similar conditions to the laboratory, in almost every case, produced positive cultures for Gonococcus. It has not, apparently, been possible to convey to the various persons taking the specimens the necessity for care and observation of full precautions in taking these cultures.

Syphilis: Dark field outfits have been provided for the submission of specimens for examinations of primary lesions, but in many cases these have not been used properly and the specimens are not taken according to the instructions given. As a consequence, dark field examinations are not possible on many of the specimens submitted. In these cases where sufficient material is available we have used Fontana's stain. During the course of the year 31 dark field specimens were examined with six showing typical *Spirochaete pallida* and 36 smears were examined by Fontana stain with five being positive.

The luetic serology section had the largest year of its history. Table II gives a detailed breakdown of the examinations made in this particular section including the specimens of blood and those of spinal fluid which were examined. Of the total of 86,860 specimens which were submitted for serological examination 49,357 were from civilian sources. This is definitely an increase over the civilian submissions from the previous year and Figure 2 shows the relationship existing in the years 1942 to 1945 inclusive between the numbers of specimens from the various sources such as civilian, military and the blood donors.

Due to the stimulation resulting from the establishment of the V.D. Control Division of this Department there has been a very marked increase in the number of spinal fluids submitted to the laboratories for serological testing. This procedure is being used more frequently in the investigation of doubtful cases of lues and in many instances has resulted in more conclusive findings for the physicians investigating the case.

Tuberculosis: The work in this field continues at its usual level, not high, and it is to be expected that this will not increase particularly because of the very active program of the Tuberculosis League in this province.

MISCELLANEOUS BACTERIOLOGY:

Due to penicillin becoming available for routine use and the continued use of sulphonamides much of the work in connection with Pneumococcus and Meningococcus infections has dropped off. There is a marked increase of interest, however, in blood culture procedures in connection with such diseases as subacute bacterial endocarditis. This is a section that should be used more in diagnosis. There continues to be the usual number of specimens from Staphylococcus and Streptococcus infections and preparation of vaccines for boils and other chronic conditions.

There has been a very marked increase in the number of specimens submitted by hospitals for sterility testing. This year it amounted to 86 specimens as compared with the highest of any previous year of 34. These are submitted following infection from hospital supplies. It would appear that there might be a place in

our public health laboratory program for the establishment of a sterility outfit, which could be supplied to the hospitals and introduced with each sterilizer pack. The outfit, after going through the sterilizing procedures, could be submitted to the laboratory and tested to determine whether or not the organisms present had been killed. This matter is being given some consideration but could not be established as a definite project until the new laboratory quarters are ready.

PARASITOLOGY AND FUNGUS INFECTIONS:

Sixty four specimens of faeces were submitted for examination for parasites or ovae and from these only two parasites were identified, *Ascaris lumbricoides* and *Oxyuris vermicularis*.

Sixteen specimens of blood were submitted for examination for malaria but no positive results were secured. Most of these specimens submitted for examination came from members of the Armed Forces who had returned from service in the tropics, many of whom had had a history of parasitic infection.

There is an increasing number of specimens being submitted for fungus examination. This is particularly true of specimens from cases of chronic bronchitis. Culture procedures have been established on a fairly comprehensive basis and animal inoculations are frequently used in conjunction with these procedures. The following list of isolations was made:

- 2 *Epidermiphyton inguinale*
- 1 *Epidermiphyton niveum*
- 2 *Candida albicans*.

One of the *Candida* isolations was from thrush the other was from a bronchitis.

HAEMATOLOGY:

This section as a whole carried on at its usual level, the main volume of specimens consisting of smears prepared by rural physicians for differential counts. There has been an increase in interest in the Paul Bunnell test for infectious mononucleosis and in the Rh factor as related to still birth, transfusion reactions and sterility. Excellent contacts have been made in connection with the complete studies of possible cases in this field with Dr. Bruce Chown of Winnipeg. He is in a position to investigate cases in complete detail and is anxious to secure specimens from us. Whenever a specimen is submitted from an interesting or important case a portion is submitted to him, together with our findings. This provides an excellent check and gives the physician much additional information.

SANITARY EXAMINATIONS:

Water: There was no change in the routine procedures for the sanitary examination of water supplies and the analysis of the work done is given in Table II.

A very complete bacteriological study of the organisms present in the positive "confirmed" *B. coli* tests was undertaken to determine the precision of the Brilliant Green Bile medium for this purpose. Preliminary results indicate that it is reliable.

A preliminary survey of the stream pollution occurring in Wascana Creek was undertaken in co-operation with the Division of Sanitation. Samples were taken at eight stations along the creek at approximately weekly intervals and a total of 96 samples were examined. It is hoped that the program may be continued in 1946 as the preliminary findings were inconclusive.

Milk: The increased attention paid to milk supplies is evident in the increased numbers of examinations as shown in Table VI.

TABLE VI.

	Regina	Weyburn	N. Battleford
Standard plate count.....	1,135	268	273
<i>B. coli</i> count.....	1,164	274	273
Phosphatase.....	849	196	195
Chemical composition.....	961	104	215
Total.....	4,109	842	956

In order to improve the examinations made in the North Battleford and Weyburn areas arrangements were made to have the routine samples from these areas examined in the Mental Hospital laboratories. This work is included in

Table VI. In addition the raw milk delivered to the Weyburn Mental Hospital is graded by the Methylene Blue Reductase test.

CHEMISTRY:

The demand for clinical diagnostic service continued to increase throughout the year indicating the need for these facilities in the rural areas of the province. There is an increasingly complex and comprehensive range in this work and many requests for special examinations were received from the hospitals in Regina. These were difficult procedures or those requiring special equipment.

It is apparent that as the younger physicians return from military service that there will be increasing demands for this type of service. Until such time as the Health Services program has developed to the stage where laboratory services are made available at rural, district and regional levels this work will continue to be sent to the Central Laboratory. Even after the establishment of these laboratories special procedures and studies will have to be referred to the base laboratories.

TISSUE PATHOLOGY:

The tissue pathology section continued to function as in previous years with the northern section of the province submitting their surgical tissues to the City Hospital, Saskatoon and those from the southern part being submitted to the Grey Nuns' Hospital, Regina. Table II shows the increase in this work during the period of the last three years and it is apparent that this type of service is highly satisfactory.

SURVEYS:

During the summer, samples were secured from two of the dairies in Regina of all milk shippers on their lists. One sample was taken from each can and each sample was examined for possible presence of Bang's Disease in the herd, using whey agglutination with *Brucella abortus* suspensions. There were many positive reactions and it was found that in a number of cases, herds were implicated by this test that had been proved to be reactors using the blood agglutination test on the individual animals. This latter testing program has been actively prosecuted by Dr. J. S. Fulton, of the University of Saskatchewan.

In addition, each sample was laboratory pasteurized and a plate count done on the freshly treated milk. The main purpose in this investigation was to determine for the dairies which shippers were producing milk of low quality from a sanitary point of view. Some samples showed a high count of thermophilic organisms and this is generally considered to be due to poor cleansing and maintenance of milking equipment on the dairy farm. The dairies planned to use this information in an attempt to improve the conditions on the dairy farm.

Work was continued on the blood meal of mosquitoes mentioned in the 1944 report. As a result of the two years work, some questions arose which should be investigated thoroughly during 1946. It is necessary to establish the reliability of the methods in use here and elsewhere in this type of investigation. A preliminary paper has been accepted for publication on this subject.

A special investigation was undertaken at the request of the Department of Public Works. Plans were being prepared for a water treatment plant for the City of Weyburn. The laboratory carried out a comprehensive study of the treatment necessary under varying conditions for decolorization, odour removal and chlorination of the raw water. This required a study of the alum flocculation, carbon treatment, break point chlorination and chlorine demand, as well as complete chemical analysis of many samples taken during the spring, summer and autumn months.

MEDIA AND OUTFITS:

With the establishment of the Division of Industrial Hygiene, it became necessary to move the Media section out of the laboratory proper into a room in the basement. This makes for certain difficulties but has proved reasonably satisfactory. During the year a total of 75,490 units of media of all kinds were prepared.

A total of 133,298 outfits were prepared and sent out during the year.

MAIL:

Incoming 33,232.
Outgoing 34,370.

MENTAL HOSPITAL LABORATORIES:

The laboratories of the Mental Hospitals at Weyburn and North Battleford continued to function with the original staff in an effective manner. They provided efficient basic diagnostic services to their respective hospitals and continued to do the Sanitary examinations of milk for their areas. This proved to be a very satisfactory arrangement and more reliable results were obtained than when specimens were shipped to the Central Laboratory. These laboratories were visited by the Director and their methods checked. Table VII shows the work done at the two laboratories.

TABLE VII

EXAMINATIONS MADE AT THE MENTAL HOSPITALS

	Weyburn	N. Battle- ford
<i>Haematology:</i>		
Complete Blood Counts.....	436	419
W. B. C. and Smear.....	64	26
Groupings.....	463	4
Platelet Counts.....	10	....
Sedimentation Rate.....	30	63
Coagulation and Bleeding Time.....	9	1
Hb. and R.B.C.....	32	....
Hemoglobins.....	15	3
Miscellaneous.....	14	....
<i>Bacteriology:</i>		
Smears from mouth and gums.....	323	....
Throat Cultures.....	43	33
Sputum.....	18	61
Smear for G.C.....	3	27
Miscellaneous.....	34	20
Blood Cultures.....	9	5
Gastric Lavages.....	2	....
Urine.....	....	3
<i>Faeces:</i>		
Blood.....	21	....
Parasites.....	2	4
Culture.....	19	....
<i>Chemistry:</i>		
Blood Cholesterol.....	9	....
Creatinine.....	4	....
Chlorides.....	14	....
Calcium.....	6	6
Alkali Reserve.....	8	....
Icterus Index.....	12	32
Gastric Analysis.....	3	19
Sugar.....	37	241
Sugar Tolerance Curves.....	4	....
Sulphadiazine.....	15	10
Serum Total Protein.....	3	....
Urea.....	24	17
Van den Bergh.....	5	1
Miscellaneous.....	2	....
<i>Cerebrospinal fluids:</i>		
Colloidal Gold Curves.....	132	70
Cell counts.....	126	80
<i>Urinalysis:</i>		
Chemical and Microscopic.....	557	1,480
Chemical.....	676	....
Sugar Tolerance.....	3	....
Urobilinogen.....	3	....
Bile.....	2	....
Urea.....	1	....
Quantitative Albumin.....	1	....
Chlorides.....	1	....

TABLE VIII—*Continued.*

	Weyburn	N. Battle- ford
<i>Milk Examinations:</i>		
Bacteria counts.....	268	273
B. coli.....	274	273
Butterfats.....	104	215
Total solids.....	89	215
Phosphatase Tests.....	196	195
Gradings (Methylene Blue Reductase Test).....	227	....
Culture for Pathogens.....	....	5
Total.....	4,353	3,781

STAFF:

There were numerous changes in staff during the year, as was to be expected with the termination of hostilities and the return of the men from overseas. Two members of the technical staff and a total of five members of the secretarial staff resigned. In addition to replacing those who resigned, three technicians and three stenographers were added, in order to handle the increased work arising from the military discharge program.

In conclusion, I would like to express my appreciation to all members of the staff for their splendid co-operation and team work under difficult conditions of space and at times inadequate numbers.

Respectfully submitted,

W. A. RIDDELL, PH. D.,
Director.

Public Health Nursing

DR. C. F. W. HAMES,
Deputy Minister of Public Health,
Regina, Saskatchewan.

Sir:

I beg to submit herewith the report of the Division of Public Health Nursing for the year ended December 31, 1945.

Nurses on the staff of the Division of Public Health Nursing have continued to carry on a generalized program. The attached summary gives, in figures, a picture of the accomplishments. Special features, only, of the year's activities will be mentioned in this report.

At the beginning of 1945, the staff consisted of nineteen staff nurses and one field advisor. Of this number, three staff nurses were on leave of absence for graduate study and returned at the close of the University year to their districts. Five nurses resigned during the year; three to be married, one to accept a position as matron of a hospital and another because of ill health.

During the year, eighteen new nurses were appointed to the staff for full time work and one for part-time work in a northern area. One of this number was appointed immediately upon completion of the course in public health nursing at the University of Toronto. Two were members of the Royal Canadian Army Medical Corps who had served overseas. One nurse who had transferred to another division of the department returned during the year to the staff of the Division of Public Health Nursing.

The staff, therefore, as at December 31, 1945, consisted of thirty-two full time staff nurses, one nurse doing part-time duty and one field adviser. Of this number, six staff nurses were on leave of absence for study. Two were taking the certificate course at McGill University, one at the University of British Columbia and one taking the degree course at an American University. Two who have had several years of experience on the staff, were taking a course in advanced obstetrical nursing at the Maternity Centre in New York City, in preparation for nursing service in the northern part of the province.

In February, all nurses of the staff attended an Institute in Public Health Nursing of which the subject of study was Epidemiology in Venereal Disease Control. The guest speakers were outstanding persons in this field of public health and the institute proved very valuable in this phase of the program which has seen such developments during the year. In November, a three day staff conference was held in Regina.

During April and May all patients who had received treatment in the Polio Clinic during the previous year were visited in their homes. The nurse making these followup visits had worked in the clinic, hence had a complete picture of each case. Her reports, therefore, were very valuable to the department, the clinic doctor and the family physician and her visits were helpful for the child and parent.

The surveys conducted by the Anti-Tuberculosis League were even more extensive in 1945 than in the previous year and the nurses assumed more responsibility for the preliminary organization. The Director of the League attributes the marked success of the surveys in large measure to the efforts of the nurses in the field. This phase of the year's work was time consuming and while it is not indicated in figures in the summary was, nevertheless, a valuable part of the nurses' work in the regions in which surveys were completed.

For the first time, dental services were made available to the people of Cumberland House this year. In late September, a dental clinic worked for one week in this northern settlement.

At the same time, a survey of the settlement was made by a unit of the Anti-Tuberculosis League. The resident nurse had made very satisfactory preliminary arrangements and two nurses of the staff went to Cumberland House to assist with the clinics. As a result of the Tuberculosis survey, five patients were brought by plane for hospitalization in the sanatorium at Prince Albert and several are under observation by the nurse acting upon the advice of the doctor.

A further health service was given Cumberland House in 1945. In June, arrangements were made for the removal of tonsils in the case of sixteen children whose health was believed to be impaired by unhealthy throat conditions. The nurse reports that the general health of these children has improved as a result of these corrections.

The establishment of the Larger School Units has affected the work of the nurses of this staff. Many Unit Boards requested health inspection for all schools of the Units. While it was obviously impossible to place a public health nurse in each Larger Unit, the request of the Boards were met so far as possible. Pupils of all schools received health inspection in the following Units: Biggar, Radville and Estevan. At the close of the year the inspection of the Oxbow Unit was almost finished and many other Units had been partially completed.

In June, a public health nurse was placed full time in the Estevan Larger Unit. She was assisted by two nurses, making it possible to complete the health inspection in all schools before the close of the school year. It was possible for the nurse to arrange immunization for the schools of half of the municipalities of this Unit. Plans are under way whereby the remaining municipalities will have had immunization before the close of the school year, 1946.

The regular regional meetings of teachers of the Unit made it possible for the nurse to bring to the attention of teachers certain phases of health which required emphasis in the school. Because of the smaller district, the nurse was better able to know the teachers and families, therefore, was able to carry out a more intensive program of public health nursing. This experiment has demonstrated the importance of smaller districts from the point of view of effectiveness of a public health nursing program, and also from the point of view of satisfaction in her work for the nurse.

All of which is respectfully submitted.

ELIZABETH SMITH, REG. N.
*Director, Division of
Public Health Nursing.*

SUMMARY

JANUARY 1—DECEMBER 31

1945

No. of staff nurses December 31—32 plus 1 part time.

No. schools visited—1,367.

No. pupils inspected—35,331

No. health talks given in schools—1,581.

No. Health Centres—245.

Attendance—3,924.

No. Pre-School Health Conferences—6.

No. children examined by doctor—140.

Senior Home Nursing—

Groups — 11.

Classes — 32.

Attendance —199.

Junior Home Nursing—

Groups — 48.

Classes —140.

Attendance —968.

No. Homes visited—15,481.

Services represented—

Pre-natal—366.

Infant welfare—1,746.

Pre-school—5,484.

School—12,019.

Tuberculosis—148.

Trachoma—1.

Other communicable diseases—987.

Mental defectives, orthopaedic, special—1,178.

Official calls—

Dentists—52.

Medical health officers—703.

School officials—1,231.

Municipal officials—664.

Women's organizations—434.

No. schools included in Dental Clinics—15.

No. children treated—884.

No. Nursing Homes inspected—98.

No. meetings addressed—225.

ASSISTANCE WITH IMMUNIZATION

No. of schools—568.

Smallpox—6,028.

Scarlet Fever—

1st dose —5,617.

2nd dose —4,689.

3rd dose —4,420.

4th dose —4,282.

5th dose —4,190.

Completed —3,728.

Diphtheria—

1st dose —1,302.

2nd dose —1,054.

3rd dose —1,606.

Completed — 891.

Whooping Cough—

1st dose — 568.

2nd dose — 553.

3rd dose — 495.

Completed — 420.

Diphtheria and Whooping Cough Combined:

1st dose —4,135.
 2nd dose —3,742.
 3rd dose —3,079.
 Completed —2,531.

Reinforcing doses—

Revaccination — 235.
 Scarlet fever —1,142.
 Diphtheria —1,217.
 Whooping Cough — 266.

MATERNITY GRANTS

1945

No. of requests received—853.

No. of Grants authorized—415.

No. of Grants refused with reasons:

1. Not recommended by Municipal Council.....	15
2. Applicant in city or town where there was resident doctor.....	18
3. Application made too late.....	32
4. Application made after confinement.....	53
5. Applicant not considered in need of assistance.....	2
6. Husband of applicant in services.....	8

No. of application forms not returned..... 239

No. of applications not completed..... 58

Grant authorized without pre-natal examination..... 13

Amount paid to mothers.....\$ 2,075.00

Amount paid to doctors..... 3,141.00

Amount paid to hospitals..... 16.00

Total.....\$ 5,232.00

Division of Health Education

The Division of Health Education was established last September. It has become one of the most active of such agencies in Canada, and the public response to its activities, together with the use made of its services by the department have already demonstrated the need of the work it is doing.

It has been said that there are innumerable definitions of health education, but that the underlying meaning of each is the same—"the sum total of all efforts to modify human conduct and attitudes so as to raise the health levels of individuals and of the community."

While the division has been busily occupied with a number of activities requiring immediate attention, the broad program which is envisaged will depend for success on long-range planning as well as on the intensive consideration of individual details.

The division's work has several broad phases. First, it is vital that the people of the province should have a general knowledge and understanding of the official health organization. The public should know how a health department functions, its responsibilities, the services it maintains, what the public ordinances are, and the reasons for their enactment. In easily understandable terms the division looks after the department's public relations.

One of the public-relations objectives is to bring the department close to the people, so that it will not be something remote, but one of the familiar, friendly, helpful institutions of the community, provided by the people for the common welfare.

A second major phase of the program is that of popular health education by means of every educational instrument, such as the public press, the radio, the film, the lecture platform and outdoor advertising; and by means of working closely with and assisting voluntary groups and individuals in anything having a bearing on the health of the people. The division will encourage the activities of voluntary agencies in recognition of their past contributions and in expectation of still greater contributions with official encouragement.

In this popular health education the division hopes not only to have the support of the voluntary agencies, but decentralization will be an objective. To this end it will work through and with the field staff of the Division of Nursing Services, the Division of Sanitation, both in the department, and also with divisions of the Department of Education, notably its Division of Adult Education and its Audio-Visual Instruction Branch.

It is proposed to prepare study-group manuals for the use of field staff of the Division of Adult Education and for the use of local study-action groups. There is now a departmental committee of which the director of health education is a member, which gives technical assistance to the Audio-Visual Education Branch in the preparation of weekly radio programs for the schools; these programs are written around a health theme and have a growing following in the schools of the province, while an increasing number of adult listeners find them of interest.

The division has pleasant relationships with the Department of Education and with other departments with which it comes into occasional contact.

The third phase of the division's program is that of health education in the elementary and secondary schools, the university and the teacher-training schools of the province. There is complete agreement with the Division of Curricula of the Department of Education on various details; and at a later stage there will be a closer liaison between the education and health departments in the development of school health education.

Fourthly, the division is a co-ordinating agency within the department. It is taking charge of the departmental library, and all purchases of books and periodicals are cleared through it, so as to avoid waste and overlapping. Furthermore, the library is being incorporated in the Legislative Library, with double indexing and cataloguing, which will tend to avoid interdepartmental waste, and facilitate the researches and reading of all interested departments.

The division's reference department receives clippings by subscription and itself clips many newspapers and periodicals. Periodicals of permanent value are indexed and made available to all divisional directors. Some periodicals are routed through the department; this is done also with other information, clippings, and a service "Health Articles of the Week."

The division's reference service to the department is proving valuable, judging by the comments of directors. Information which is sometimes slow in reaching the department, or which often would not be received at all, is obtained and referred to interested divisions. Thus, for instance, the Division of Hospital Administration receives information on the activities of local hospital boards which it ordinarily might not receive, especially not in detail.

Information on an outbreak of mumps in a district was combined with information on a similar outbreak in an adjoining province; this suggests the possibility of epidemiological data which might prove valuable in the control of epidemic diseases.

Films in the possession of the department have been turned over to the new central film library. The division has several projectors and when practicable, films to illustrate lectures are shown.

In its work with the divisions there is close co-operation. Copies of all letters are sent to the deputy minister, while copies of all but routine letters are sent to divisional directors interested in the subjects treated. This service is being reciprocated by the directors, so that there is a good understanding of what each division is doing in relation to lay education.

The Health Education Division concerns itself only with lay education of the public; professional education of doctors, nurses, pharmacists and others, is not its responsibility, and any inquiries in this field are referred to the other divisions.

Among the general objectives of the division in which it works with other divisions and with voluntary agencies are: Familiarizing the community with facts relating to health conservation and disease prevention; inducing desirable changes in public opinion, attitudes and habits on questions of preventive medicine and public health; creating a desire for new facilities; educating the community to utilize available medical, nursing, hospital, dental and other services.

Because of the number of people involved, the program may include these subjects; Mental hygiene, venereal disease, tuberculosis, maternal and infant care, cancer, skin diseases, dental hygiene, immunization for preventable diseases, epilepsy, periodic health examinations, child health generally, sanitation, nutrition, home nursing, prevention of colds and pneumonia, self-medication and quackery, and such others as may occur. There are seasonal matters such as the prevention of drowning, summer hazards, highway safety, which will be given attention.

Since its establishment the division has prepared radio talks on public health and arranged for all details incident to broadcasting, including advance advertisement; it has issued prepared press statements, health news, etc., with a release date to assure fair treatment of all interested newspapers and radio news services. This publicity has often gone far beyond the borders of Saskatchewan, and both daily and weekly newspapers outside the province are included in some of the releases.

The division has arranged for lectures by divisional directors in their fields at a number of public and association meetings, and has furnished biographical material on the speakers, offered films, and has even provided projection service at some lectures.

Every effort is being made to provide additional channels by which health education is taken to the people.

Much of the division's time has been given to work with the recently established separate division of Venereal Disease Control in launching a vigorous educational program for the control and eventual eradication of syphilis and gonorrhea.

Recognizing the venereal-disease problem as a social and moral problem as well as a medical one, the division has instituted a program of education and social action for the training and education of the young in home, school and church with responsible individual and community living an objective.

It has also interested itself in family-life education and the conservation of the family as a positive, practical preventive of not only venereal disease but other social and health ills—for instance, mental ill-health.

The division has been instrumental in focusing public attention on the venereal-disease problem by means of encouraging observance of Social Hygiene Day on the first Wednesday of February, as an opportunity for community stocktaking of resources in the war on venereal disease; and to inaugurate a year-round program. It has given and is giving every possible assistance to local groups such as Junior Boards of Trade, Homemakers Clubs, clergy, Women's Co-operative Guilds, Councils of Women, service clubs, etc., suggesting local programs, outlining suggestions for the organization of such devices as panel discussions, public meetings, radio programs, etc.

In connection with Social Hygiene Day, the division wrote to hundreds of clergymen, asking them to emphasize the religious and social significance of wholesome family life in their early February sermons, and throughout the ensuing months.

Wide circulation has been given a special article by the director of the division which appeared in the Bulletin of the Saskatchewan Teachers Federation. Booklets and brochures, reprints, and material prepared by or with the Division of V.D. Control have been sent to many individuals and organizations.

The division collaborated with the Audio-Visual Instruction Branch of the Department of Education in the preparation of three school broadcasts on family life, which were sent out by stations in Saskatchewan on January 24, January 31, and February 7, and have been well received.

Supplementing information on the broadcasts which was given in the Bulletin of the Saskatchewan Teachers Federation, the division sent a three-sheet mimeographed guide to 7,200 teachers of the province, inviting them to use the information supplied in family-life education as a social-hygiene feature in the schools.

The teachers were informed that it was not intended that young children should be told about venereal disease; but rather that the positive aspects of wholesome family life should be brought into sharp focus in all classrooms.

A number of teachers indicated their interest by asking for further information, particularly suggestions and pointers on classroom methods.

All newspaper editors in the province were written by the deputy minister at the instance of the division, asking their support of the campaign against venereal disease on a scale even more generous than in the past; the letter was accompanied by a brochure prepared by the Division of Venereal Disease Control which gave detailed information on the situation in Saskatchewan.

The division additionally prepared other special newspaper material on venereal disease, including advertising which was turned over to the Junior Boards of Trade, these organizations obtaining sponsors for the space required. Commercial enterprises and individuals in the province have generously supported this effective method of health education.

Finally, the division prepared radio material for use in association with Social Hygiene Day observance.

There has been a substantial and growing correspondence on the subject of venereal-disease education with voluntary agencies in the province.

It was anticipated that when much of this work had been routinized the division would be able to place its emphasis equally on other important health problems, particularly mental hygiene and epilepsy, physical fitness and recreation. Preparatory work toward this broadening of the program was started in November.

There has been much other activity, too detailed and too voluminous for coverage in this report. The matter of temperance education might be mentioned. Like some other subjects it is being integrated. Thus, in the guide sent to teachers, there was reference to the importance of temperance to family living.

The division has been greatly handicapped by lack of office accommodation and sufficient staff to conduct the program which has been envisaged, particularly as more and more is desired by the various directors, each of whom considers his own program and its educational needs important.

The staff has worked very hard and very loyally and an amazing amount of work has been accomplished in spite of the handicaps.

CHRISTIAN SMITH
Director

Division of Nutrition

REGINA, SASK., *January 18, 1946.*

DR. C. F. W. HAMES,
Deputy Minister of Public Health,
Regina, Sask.

Sir:

The following report covers the work of the Division of Nutrition for the calendar year 1945.

The major project of this Division during the past year has been the promotion of better school lunches, as one means of improving the general nutrition of our people.

Previous to the appointment in September of Home Economics teachers in the Provincial Normal Schools, contacts were made with both the regular and special session students at each school. Class periods were given over for lectures on general nutrition and instruction on lunch work, with displays of nutrition literature and teaching aids arranged at the same time. At Regina College similar arrangements were made to meet the students attending Summer School, the majority of whom were teachers. At the Saskatoon session of Summer School a display only was arranged.

Further work was done in lunch promotion through displays and lectures at Teachers' Conventions during October and November. Special emphasis were put on those Larger Units, now numbering approximately 10, where school lunches feature among their projects.

At the Provincial Convention of School Trustees in February, a display of lunch equipment provided a means of contacting individual delegates. A booklet, "Better School Lunches" was prepared and has been used extensively in the promotion of lunch work.

Articles have been prepared for the School Trustee Magazine, the Home and School Bulletin, and the Canadian Home Journal. Two radio programmes dealing with school lunch work were given over the C.B.C. in November. One local broadcast was given earlier in the year.

At the request of the Department of Education, field trips have been made to a large number of practice teaching schools in the province, with the purpose of assisting in the establishing of lunch programmes in those schools. The co-operation of the Department of Education has greatly facilitated our work.

As a means of directing more attention to the subject of nutrition in schools, special competitions for school children were arranged in co-operation with Exhibition Boards, Agricultural and Horticultural Societies. These competitions took the form of poster and essay work. In the fall this Division co-operated with the Department of National Health and Welfare in sponsoring a Place Mat Contest for pupils in Grades IV, V, and VI, as a means of promoting knowledge of Canada's Food Rules.

In an attempt to have nutrition information available to the general public, a reading list of books on foods and nutrition has been prepared for the Public Information Library, and a similar list sent to all the circulating libraries in the province.

Co-operation with the Department of Social Welfare has resulted in a visit to one of their institutions where recommendations were made as to changes in the food service there. Assistance to the Social Aid Branch of the same Department has been begun in supplying food schedules.

In May a food display at the Restaurant Association Convention opened the way for co-operation with this group of workers.

In July and August a large display, "Meal Planning for Health", was exhibited at Class A and B fairs in the province. In this way many hundreds of people were contacted and informed of our service. Further displays on

the use of Saskatchewan grown fruits and vegetables were shown at Horticultural Exhibitions, in Saskatoon and Regina, and also at the Provincial Fruit Show.

Two out-of-province visits were made during the year. The first to Ottawa in June to attend a Nutrition Conference arranged by the Department of National Health and Welfare for nutritionists, dietitians, teachers, and welfare workers throughout the Dominion. Saskatchewan was asked to tell of nutrition work from a provincial angle. The Canadian Council on Nutrition meetings were also attended and visits made to interesting centres where work in food service and education was being carried out. The second meeting was also held in Ottawa, in December, at which time a Dominion-Provincial Nutrition Committee was formed as a part of the Canadian Council on Nutrition.

During the year numerous small groups and organizations called upon this Division for assistance with programmes. Among these were: Local Council of Women; the University Women's Club; the Catholic Women's League; and the Home and School Club. Lectures were also given at Teachers' Institute in Prince Albert, arranged for teachers from the northern areas.

Those gatherings of a provincial nature at which the Division took part included the Provincial Fruit Show, Women's Programmes of Farm Week, Convention of Home and School Clubs, Convention of Superintendents of the Department of Education, the Trustees of the Consolidated School, and the Public Health Nurses.

The staff of Nutrition Division for the past year has included a nutritionist, one stenographer, and a Home Economics student during three months of the summer. A permanent office was secured in late November.

Respectfully submitted.

JEAN ODDIE,
Provincial Nutritionist.

Industrial Hygiene Division

REGINA, *January 18th, 1946.*

DR. C.F.W. HAMES,
*Deputy Minister of Public Health,
Regina, Sask.*

SIR:

The following report covers the work of the Division of Industrial Hygiene for the calendar year 1945.

Owing to delays in securing space it was impossible to begin the work of setting up the Division of Industrial Hygiene on the date planned (October 1st).

By the end of the year the establishment of a reference file of Industrial Hygiene literature was in progress and an announcement had appeared in the press indicating the establishment of the division and the type of work to be carried on by it. Contacts had been made with various Government departments (Labour, Natural Resources and Workmen's Compensation Board) and an agreement reached with the Compensation Board for routine information regarding the investigation of claims for compensation in respect of occupational disease. One such case was investigated in December.

An air survey of a motor coach garage was conducted at the request of the City of Regina Department of Health. The survey detected substantial intermittent exposures to carbon monoxide, and will be completed by an investigation of blood samples before final recommendations are made.

Although a substantial amount of the equipment which had been ordered for the Division was still undelivered at the end of the year, it is expected that the laboratory will be in a position to undertake most of the ordinary types of work that it may be called upon to perform in the near future.

Respectfully submitted

G. W. ROGERS,
*Acting Director,
Division of Industrial Hygiene.*

Physical Fitness Division

REPORT OF THE WORK OF THE PHYSICAL FITNESS DIVISION

CALENDAR YEAR 1945.

I beg to submit the following report of the work of this division for the year 1945:

The annual report, October 16th, 1944 to April 30th, 1945, covered all the basic philosophy of the Saskatchewan Physical Fitness Division of the Department of Public Health, so that it will not be necessary to review the basic philosophy but rather give factual information on what has been done by our staff in 1945.

Staff—The staff as at December 31st, 1944, consisted of an Administrative Director, a Physical Fitness Director, a Promotional Director, two secretaries, one Research Writer and one member of the field staff.

The present staff is made up as follows:

- 1 Administrative Director.
- 1 Physical Fitness Director.
- 1 Supervisor of Group Work.
- 6 Field Representatives.
- 1 Drama and Research Writer
- 1 Field Worker
- 2 Secretaries.
- 1 Filing Clerk.
- 2 Clerk-typists.
- 2 Clerks.

From the expansion of the staff, some indication will be given as to the growth of the work of S.R.M. and it is advisable to indicate in some way the disposition of some of the staff.

Mr. John Farthing, a Field Representative, has been loaned to the Department of Education as Physical Education Supervisor at the Provincial Normal School, Saskatoon.

Mr. Crawford S. Glew, a Field Representative, is attending McGill University at Montreal, qualifying or taking qualifying work towards a degree in physical education. He will return to work with this division towards the end of April and spend the summer months instructing with other members of the staff at the University course at Saskatoon.

Mr. E. W. Stinson, a Field Representative, has been posted to Estevan for one year for special work with the Estevan Larger School Unit of Administration and he will blueprint for this division what may be accomplished by a field representative working in a Larger School Unit.

Mr. C. M. Bedford is doing a full-time Field Representative's work and is located at Prince Albert. Mr. Bedford's work will be to cover the area tributary to Prince Albert and he is blazing the trail. From his experience, we shall be able to estimate the amount of community work and the area that can be covered successfully by a Field Representative.

Miss Marion Bird specializes in teen-age work and crafts and is rendering valuable assistance at various points requiring her services. She conducted the school for community leaders at North Battleford.

Mr. G. L. A. Daverne, recently discharged from the R.C.A.F. and a new Field Representative, is at present working at the Central Office and being prepared for work in the field.

Mrs. R. Hamilton specializes in community recreational games and entertainment. She conducted the Swift Current Church and Community Leadership School successfully and is at present making a survey of the results obtained from that school.

Mrs. M. E. Burgess has done considerable work on the magazine published by this division, but specializes in drama and research. She has already been to Star

City, Gravelbourg and Rosthern, and held short term drama courses. She is in great demand for her ability in the field of drama. Points she has visited have been enthusiastic about the classes she has conducted.

Miss Margaret Nicholson, Supervisor of Group Work, has made a number of valuable surveys in various parts of the Province for this division. She has been mainly responsible for training new members of the staff in community organization and is able to visit various members of the staff in the field and assist them in dealing with their problems. She has contributed a booklet with Dr. J. B. Kirkpatrick entitled "Guide to formation of Recreation Councils", which is filling a great want in many communities.

Dr. J. B. Kirkpatrick is the Physical Fitness Director. He has been in great demand all over the Province and has been able to visit all field staff and assist them with their training problems. Dr. Kirkpatrick was the Director of the Physical Education S-11 course at the Summer School at Saskatoon last summer, and to him must go the credit for one of the most successful courses held at Summer School at the University of Saskatchewan. He has kept very busily engaged in giving professional guidance on all matters dealing with program in the athletic field.

He has worked in collaboration with the Department of Education in drawing up a new syllabus. He has also been in great demand as a speaker for various professional groups in the province and is responsible for the program of this division.

Mr. G. C. Darby is the Administrative Director. He has also been in demand as a speaker at various points in the province. Service clubs, business groups and organizations as well as churches have requested speeches dealing with the work of the Saskatchewan Recreation Movement.

As administrator, the organization of the office and staff comes under his pre-view and as divisional director, he is responsible to the Deputy Minister for the general administration of the Physical Fitness Program.

Office—The Central Office of S.R.M. at December 31st, 1944, consisted of rooms 12 and 19, Canada Life Building. These two widely separated offices have been exchanged for room 51, Government Insurance Building, and although accommodation is still very cramped when any members of the field staff are working in the city, under ordinary conditions, accommodation is sufficient.

We have a hope of getting one extra room which would look after the mailing department and any field representatives in town, and that is room 50 presently occupied by the Canada Colonization Company.

Accomplishments—Many requests have been received from communities wanting assistance with organizational problems. Some of these have been answered by letter and others through actual visits by various staff members. No attempt has been, nor ever will be, made to draw up one program and expect all communities to follow it. Community recreation is community business. There are also a large number of towns and villages whose recreational activities come to our attention, often in a round about way. How much their interest has been inspired by this Division it is difficult to say. Once an avalanche begins it is hard to know which stone started it.

Leadership Schools—The big leadership school of the year was held at the University of Saskatchewan Summer School during July and August, 1945. This division sponsored some 200 scholarships of \$25.00 each to teachers who were specially recommended by their superintendents as having outstanding interest in physical education, music, art, drama, or arts and crafts. 136 teachers and other leaders enrolled in the S-11 Physical Education class alone, one of the largest classes ever to register. If an increase in the federal budget is presented, this work could be considerably increased during 1946.

It is a matter of great interest and pleasure to this division to know that an S-12 advanced Physical Education course has been authorized by the University of Saskatchewan for the coming summer for the first time. Qualification in the S-11 course is a pre-requisite for the S-12. It is confidently expected that Dr. Kirkpatrick will require a large staff of capable instructors to assist him in these courses but this is something which will be arranged through the University of Saskatchewan.

Church and Community Leadership Schools—Purely as an experiment which has turned out well, two leadership schools were tried, the one at Swift Current and the other at North Battleford. The general object was to arrange for local in-

structors, where possible, to work under the supervision of a member of this office staff, and instruction was given in such subjects as physical education, clay modelling, leather craft, music, drama, recreational dancing, woodworking, dress designing, personality clothing, etc. At Swift Current 148 people took the course, and at North Battleford the enrolment was much larger and 226 people completed the course.

There has been a great and insistent demand for assistance in the realm of drama and Mary Ellen Burgess has been in great demand as an adjudicator for local plays and festivals. Her services have also been required to conduct training classes in drama. The schools already conducted at Star City, Gravelbourg and Rosthern were very successful in every way and our staff is not large enough to honour the many requests that have been made for assistance in this particular field.

Publications—This division has issued some magazines entitled "Saskatchewan Recreation", which, in addition to information given, have also recorded accomplishments of various communities and what is being done by other kindred organizations and others interested in physical fitness and recreation.

In addition to the magazine, this division prepared a most useful booklet entitled "Guide to Formation of Recreation Councils" by J. B. Kirkpatrick, Ed.D., and Margaret Nicholson, Supervisor of Group Work. Also contained in the same book is Constitution and Bylaw material prepared by Margaret Nicholson and Max Bedford, Field Representative, SRM.

The latest booklet issued by this division is entitled "Home Construction of Playground and School Apparatus", which was also prepared by C. M. Bedford, Field Representative.

There is an enormous demand for all publications issued by this division.

During the coming year, if an increase in budget and staff becomes available, it will be possible to step up the tempo of our work considerably and there can be no doubt that even then the demand will be greater on our services than we shall be able to supply.

Finances—The Provincial Budget for this past year amounted to \$55,000.00. The amount due from the Dominion for Physical Fitness amounted to \$17,500.00, which comes up for revision in the spring of 1946. Our calculations and expenditures have been controlled by the Provincial amount of \$55,000.00 and have been kept well within the figure given.

As a result of the last National Council of Physical Fitness, the Deputy Minister of Social Welfare, under whose division the Physical Fitness grant is handled, has suggested that some change will be made and asked the National Council for suggestions. The National Council submitted a recommendation that the amount of the Physical Fitness budget for the coming year be doubled, that \$10,000.00, basic grant, be given to all provinces participating, that a separate agreement on the dollar for dollar basis be made with each province in accordance with the province's desire to sponsor the program.

Dr. G. Davidson, the Deputy Minister, expressed his personal approval of this suggestion which he hoped would be carried out when the budget was presented. A conservative estimate would make \$40,000.00 available to the Province from the Dominion treasury for Physical Fitness. This is not regarded as by any means the ultimate, but is still only a step towards organization of the program.

The Minister, the Hon. Brooke Claxton, as well as the Deputy Minister, attended one function and there can be little doubt that the whole program dealing with Physical Fitness would have received far greater assistance had it not been for the two largest provinces, Ontario and Quebec, having refrained from entering into an agreement with the Dominion Government dealing with the National Physical Fitness Act.

To avoid any confusion, let it be stated that the action of Ontario and Quebec in no way indicates that these two provinces are not interested in Physical Fitness. Actually, they are spending far more than any of the other provinces on Physical Fitness, but the fact remains that for some reason or other, they have abstained from joining the Dominion-Provincial agreement on Physical Fitness.

The action of these two large provinces has meant that proportionately a large amount of the money voted to Physical Fitness has not been used due to their abstaining from participation. To some extent, this has weakened the claim of other provinces who are far more aggressive and willing to do something about this matter.

In conclusion, Physical Fitness, known in Saskatchewan as Saskatchewan Recreation, has only got nicely started. There is a tremendous field for its activities. A large amount has already been accomplished. The foundation has been laid on a sure and sound basis. The growth of the Movement is steady and sure. When staff and funds are available, it can do a big work for the general welfare of the people of Saskatchewan.

Respectfully submitted,

G. C. DARBY,
Administrative Director.

Division of Hospital Administration

REGINA, August 27, 1946.

DR. C. F. W. HAMES,
Deputy Minister of Public Health,
Regina, Saskatchewan.

SIR:—

I beg to submit herewith the report on government-aided hospitals for the calendar year 1945 as compiled from the returns made by the various hospitals.

Included in this report are the following tables giving information on the various hospitals:

- Table No. 1—Hospital Accommodation—Hospital Staff—Training Schools.
- Table No. 2—Patients treated—Hospital days—Averages—Deaths in Hospital.
- Table No. 3—Hospital Surgery and Anaesthesia.
- Table No. 4—Maternity Statistics and Special Diseases.
- Table No. 5—Outpatients—Clinical Services—Hospital infections and Deaths.
- Table No. 6—Operating costs per Patient per day.
- Table No. 7—Statement of Revenue and Expenditure—Net Profit or Net Loss.
- Table No. 8—Detailed Statement of Revenue.
- Table No. 9—Detailed Statement of Expenditure.
- Table No. 10—Comparative Statement of the Totals of Various Items covering a ten-year period.
- Table No. 11—Comparative Financial Statement covering a ten-year period.

CHANGES DURING YEAR

The Nipawin Union Hospital was increased from 17 to 40 beds.

The Regina General Hospital was increased from 331, to 518 beds.

The Wilkie Union Hospital was increased from 14 to 28 beds.

The Yorkton General Hospital was increased from 58 to 85 beds.

The Elrose Community Hospital closed temporarily from July 31, 1945.

The Maple Creek General Hospital was, on December 10, 1945, destroyed by fire, and since that time they have been using the Hospital formerly used by the Military Authorities.

CLASSIFICATION OF HOSPITALS

There were in operation at the end of the year, 3 sanatoria, 8 Red Cross Outposts and 78 general hospitals.

These may be classified according to ownership as follows:

24	Union Hospital Districts
21	Community
18	R.C. Sisters
11	Municipal
2	Doctors
2	United Church

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BED COMPLEMENT

The actual number of beds available in General and Red Cross Hospitals was as follows:

3,817 adult beds 353 cribs 739 bassinets.

HOSPITAL STAFF

Administration—

	1945	1944	1943	1942	1941
Executive	33	61	49	52	44
Clerical	189	152	136	126	129
Professional—					
Salaried doctors:					
Full time.....	4	5	3	6	7
Part time.....	5	6	7	7	6
Internes	19	21	17	14	22
Technicians	95	104	89	79	77
Nursing Staff—					
Graduates	644	597	565	562	586
Students	945	865	727	693	624
Graduate Dietitians.....	13	14	12	12	13
Orderlies and Ward Helpers.....	437	267	248	215	174
All other employees.....	987	953	902	907	899
Total Staff.....	3,371	3,045	2,755	2,673	2,581

The following comparative figures show the total bed complement, the total hospital staff and the percentage of hospital staff to the bed complement:

	1945	1944	1943	1942	1941
Total bed complement.....	4,170	3,877	3,848	3,778	3,686
Total staff.....	3,371	3,045	2,755	2,673	2,581
Average number of employees per bed.....	.80	.77	.71	.70	.70

PATIENTS

The following is a comparison of the patients cared for during the past five years:

	1945	1944	1943	1942	1941
Adults and Children.....	105,318	96,465	87,033	81,520	77,983
Newborn	14,287	13,308	12,760	11,164	10,575
Total	119,605	109,773	99,793	92,684	88,558

Patients treated in 1945 showed an increase of:

9 % over 1944
10 % over 1943
15½% over 1942
19 % over 1941
21 % over 1940

PATIENT DAYS FOR GENERAL HOSPITALS AND RED CROSS OUTPOSTS

	1945	1944	1943	1942	1941
Adults and Children.....	1,045,632	954,530	882,336	827,922	810,323
Newborn	135,767	126,924	122,682	110,629	101,018
Total Days.....	1,181,399	1,081,454	1,005,018	938,551	911,331

Average Length of Stay:

Adults and Children.....	9.9 days	9.9 days	8.7 days	10.1 days	9.5 days
Newborn	9.5 days	9.5 days	9.5 days	9.9 days	9.6 days
Average bed occupancy.....	83.5%	82.3%	75%	68%	69%

Average Cared for in
Hospitals Daily:

Adults and Children.....	2,865	2,615	2,417	2,268	2,220
Newborn	372	347	336	303	277

NURSES' TRAINING SCHOOLS, INTERNES AND GRADUATE NURSES

During the year 260 nurses graduated from the 10 nurses' training schools, compared with 270 in 1944 and 245 in 1943.

	Student Nurses	Nurses Graduating	Internes on Staff	Graduates on Staff
Humboldt, St. Elizabeth's.....	34	8	—	12
Moose Jaw, General.....	88	23	1	17
Moose Jaw, Providence.....	48	7	—	11
Prince Albert, Holy Family.....	53	16	—	21
Prince Albert, Victoria.....	38	11	—	8
Regina, General.....	190	60	5	36
Regina, Grey Nuns'.....	184	34	11	55
Saskatoon, City.....	185	39	1	45
Saskatoon, St. Paul's.....	152	29	1	47
Yorkton, General.....	45	33	—	19
Totals	1,017	260	19	271

MATERNITY CASES AND BIRTHS

There were 14,072 confinements (including caesarean operations) in hospitals last year compared with 13,058 cases in 1944 or an increase of 1,014.

Maternity cases comprised 13.3% of the total adult admissions with 13.5% in 1944.

There were 13,957 living births in hospitals of which 7,213 were male and 6,744 female babies.

The total number of living births in the province in 1945 was 18,070 of which 13,957 or 77% were born in Government-Aided Hospitals.

In the year 1932, 27% of all births were in approved hospitals. This has increased each year until in the year 1945, 77% of all births were in approved hospitals.

There were 26 maternal deaths reported in hospitals compared with 23 last year for a death rate of 1.9 per thousand living births.

There were 264 newborn deaths in hospitals which represents a death rate of 18.9 per thousand living births compared with 23.5 for 1944.

There were also 275 stillbirths in hospitals.

The following shows a comparison of the Living Births, Maternal Deaths and Newborn Deaths:

	1945	1944	1943	1942	1941
Living Births born in hospitals.....	13,957	12,983	12,296	11,170	10,325
Living Births not born in approved hospitals	4,113	5,014	6,211	7,019	8,272
Total Births in Province.....	18,070	17,997	18,507	18,189	18,597

Maternal Deaths:

In Hospitals.....	26	23	15	26	24
Other than in approved Hospitals.....	20	19	33	36	34
Total for Province.....	46	42	48	62	58

Number of Maternal and Newborn Deaths and Stillbirths per thousand living births:

	1945	1944	1943	1942	1941
In hospitals.....	1.9	1.8	1.2	2.3	2.3
Other than in approved hospitals.....	4.9	3.8	5.5	5.1	4.2
Newborn Deaths in hospitals.....	264	282	286	237	273
Number of newborn deaths in hospital per thousand living births.....	18.9	23.5	23.2	21.2	26.4
Stillbirths in hospitals.....	275	253	251	243	237
Number of stillbirths per thousand Living Births in hospitals.....	19.3	19.1	20.0	21.3	22.4

HOSPITAL SURGERY AND ANAESTHESIA

There were 43,843 surgical operations performed in hospitals last year compared with 40,595 in 1944.

The following are comparative figures for the past four years:

	1945	1944	1943	1942
<i>Abdominal:</i>				
Appendectomy	6,640	6,392	5,471	5,394
Gall Bladder.....	629	546	449	448
Gall Bladder and Appendectomy.....	278	268	201	245
Hernia	1,420	1,277	1,196	1,020
Other abdominal.....	1,405	1,378	1,419	1,454
Gastro-Enterostomy	76	73	—	—
<i>Gynecological:</i>				
Hysterectomy	552	510	400	344
Tubes and Ovaries.....	659	695	566	610
Curettages	1,700	1,455	1,331	1,241
Other Gynecological.....	1,512	1,525	1,312	1,161
<i>General:</i>				
Tonsillectomy	11,685	11,155	9,046	8,112
Thyroidectomy	525	485	418	313
Amputations	381	352	310	342
Other major operations.....	1,971	1,492	1,402	1,147
Other minor operations.....	14,410	12,992	11,443	10,816
Totals	43,843	40,595	34,964	32,647

The following comparison for the past six years will indicate the decrease of the number of deaths within ten days after surgical operations:

	1945	1944	1943	1942	1941	1940
Total Operations.....	43,843	40,595	34,964	32,647	31,864	30,811
Total Deaths within ten days after operation...	228	198	239	246	261	286
Percentage of deaths within ten days after operations of the total operations.....	.52%	.48%	.68%	.75%	.81%	.92%

There has been a steady increase in the number of blood transfusions given in the past five years, the figures being—3,474 in 1945; 2,672 in 1944; 2,429 in 1943; 2,070 in 1942 and 1,729 in 1941.

There were also 569 operative fractures and 2,523 fractures treated by means of manual reduction.

The anaesthetics administered in operative cases during the year were 42,304 classified as follows:

General	25,649
Spinal	5,740
Local	10,915

There were 2 deaths resulting from Anaesthetics.

SPECIAL DISEASES

The following is a list of the special diseases under study showing comparative number of cases treated in hospitals for the past four years:

	1945	1944	1943	1942
Cardiac and Arteries.....	3,231	2,929	2,414	1,869
Communicable Diseases.....	1,061	1,655	2,291	1,611
Cancer	1,487	1,413	1,548	1,400
Arthritis	917	834	736	740
Goitre	989	756	686	446
Rheumatism	665	800	651	720
Nephritis	656	673	518	634
Pulmonary Tuberculosis.....	266	217	210	242
Other forms of Tuberculosis.....	107	124	145	114
Gonorrhoea	1,133	213	94	81
Syphilis	229	85	74	78
Typhoid Fever.....	32	31	32	33

The total admissions other than newborn to approved hospitals in the Province were 105,318.

Admissions to hospitals in cities are as follows:

Regina	17,819	or 16.9%	of total admission
Saskatoon	14,522	or 13.7%	of total admission
Moose Jaw.....	5,718	or 5.4%	of total admission
Prince Albert.....	6,335	or 6.0%	of total admission
Yorkton	4,005	or 3.8%	of total admission
Weyburn	1,241	or 1.1%	of total admission
Swift Current.....	1,845	or 1.7%	of total admission
North Battleford.....	3,144	or 2.9%	of total admission

The total admissions in City Hospitals.....54,629 or 51.8%

The total admissions in Hospitals other than cities.....50,689 or 48.2%

The average percentage of Bed Occupancy for the year was 83.5% for the 78 Hospitals, not including Red Cross Outposts.

17 hospitals with a total of 303 beds were under 60% occupancy
19 hospitals with a total of 1,063 beds were between 61% to 80% occupancy
16 hospitals with a total of 567 beds were between 81% to 90% occupancy
11 hospitals with a total of 741 beds were between 91% to 100% occupancy
7 hospitals with a total of 410 beds were between 101% to 110% occupancy
5 hospitals with a total of 202 beds were between 111% to 120% occupancy
1 hospital with a total of 10 beds had 126% occupancy
1 hospital with a total of 45 beds had 128% occupancy
1 hospital with a total of 10 beds had 132% occupancy

REVENUE AND EXPENDITURE

The total revenue from all hospitals for the year amounted to \$4,898,805.00 while the total expenditure was \$4,790,239.18.

The following is a comparative statement of expenditures for the past two years:

<i>Expenditure:</i>	1945	1944
Salaries and wages.....	\$2,185,402.18	\$1,843,440.54
Supplies	1,791,814.06	1,558,655.04
Purchased services.....	260,025.18	224,637.12
Insurance	23,049.73	22,271.14
Depreciation on Buildings and Equipment.....	219,848.17	212,663.10
Repairs to Buildings and Equipment.....	127,306.77	250,299.03
Interest and exchange.....	108,507.82	120,076.25
Miscellaneous	74,285.27	50,821.61
Total	\$4,790,239.18	\$4,282,863.83

THE PERCENTAGE OF THE GROUP EXPENDITURE IN RELATION TO THE TOTAL EXPENDITURE IS AS FOLLOWS:

	1945	1944	1943	1942
Salaries and Wages.....	45.6	43.	42.6	40.6
Supplies	37.5	36.4	37.6	37.9
Purchased services.....	5.4	5.3	5.7	5.1
Insurance .....	.4	.5	.5	.6
Depreciation	4.6	5.	5.6	5.8
Repairs	2.7	5.8	3.1	4.2
Interest and exchange.....	2.3	2.8	3.3	4.3
Miscellaneous	1.5	1.2	1.6	1.5
	100.0	100.0	100.0	100.0

COST PER PATIENT PER DAY

The average gross cost per patient per day was \$4.10 compared with \$4.01 for the previous year.

The average net cost, that is, the actual cost of patient care excluding depreciation, repairs and replacement and interest charges amounted to \$3.71 compared with \$3.47 for the previous year. This figure is merely an index to show the average rise in costs as 32 hospitals showed a higher cost than \$3.71 while 46 hospitals had a patient day cost below this figure.

PROVINCIAL GRANT

The following shows a comparison between the hospital grants paid for the past three years:

	1945	1944	1943
General hospitals.....	\$547,171.50	\$499,382.50	\$482,633.50
Red Cross hospitals.....	10,820.50	10,791.50	9,989.00
Tuberculosis sanatoria.....	279,976.00	287,167.00	272,965.00
	<u>\$837,968.00</u>	<u>\$797,341.00</u>	<u>\$765,587.50</u>

During the year 1945, the following 18 Nursing Homes were approved for a grant of thirty cents (30c) per day:

Antler Community Hospital	Lucky Lake Community Hospital
Borden Municipal Hospital	Maidstone District Hospital
Craik Community Hospital	Outlook Community Hospital
Cut Knife Municipal Hospital	Saltcoats Nursing Home
Dinsmore Community Hospital	Southey Nursing Home
Eastend Jubilee Hospital	Spiritwood Community Hospital
Gladmar Maternity Hospital	Turtleford Municipal Hospital
LaFleche Community Hospital	Viceroy Community Hospital
Limerick Memorial Hospital	Wynyard Community Hospital

During the year 1945, 11 Union Hospital Districts were established by Order-in-Council and voted upon favourably.

Imperial Union Hospital District	Foam Lake Union Hospital District
Wawota Memorial Union Hospital District	Spiritwood Union Hospital District
Grenfell Union Hospital District	Eastend Union Hospital District
Canora Union Hospital District	Wolseley Memorial Union Hospital District
Watrous Union Hospital District	Maple Creek Union Hospital District
Wynyard Union Hospital District	

Nine Union Hospital Districts were established by Order-in-Council but were waiting to be voted upon.

Coronach Union Memorial Hospital District	Bienfait-Coalfields Union Hospital District
Leader Union Hospital District	Maryfield Memorial Union Hospital District
Watson Union Hospital District	Hafford Union Hospital District
Meadow Lake Union Hospital District	Prelate Union Hospital District
	Leoville Union Hospital District

Many other areas were contemplating the forming of Union Hospital Districts.

Respectfully submitted,

C. C. GIBSON,
Director of Hospital Administration.

H. TABLE I.—HOSPITAL, ACCOMODATION—STAFF—TRAINING SCHOOLS, 1945.

Hospitals	Bed Complement				Hospital Staff										Medical Staff		Training Schools				
	Adult Beds	Cribbs	Total Beds and Cribbs	Bassinets	Executive	Clerical	Salaried Doctors, Full Time	Salaried Doctors, Part Time	Internes	Technicians	Graduate Nurses	Student Nurses	Graduate Dietitians	Orderlies and Ward Helpers	Other Employees	TOTAL STAFF	Organized Medical Staff	No. Attending Physicians	Approved Training Schools	Graduated During Year	
Arcola, Brock Union.....	13	2	15	2	1	5	.	.	1	4	10	No	6	No	.
Assiniboia, Union.....	18	2	20	6	.	.	.	.	.	.	6	.	.	2	4	11	No	2	No	.
Balcarras, Union.....	17	3	20	5	.	.	.	.	.	.	4	.	.	.	4	10	No	3	No	.
Bengough, Municipal.....	12	2	14	3	.	.	.	.	.	.	3	.	.	.	4	7	No	1	No	.
Bienfait, Medical Assoc.....	10	1	11	3	.	1	.	.	.	.	4	.	.	3	3	9	No	1	No	.
Biggar, St. Margaret's.....	37	5	42	9	1	1	.	.	.	.	4	.	.	3	14	23	No	2	No	.
Birch Hills, General.....	12	2	14	4	.	1	.	.	.	1	4	.	.	1	6	13	No	3	No	.	
Broadview, St. Michael's.....	20	3	23	8	.	1	.	.	.	.	4	.	.	3	4	11	No	1	No	.
Cabri, Union.....	21	2	23	5	.	1	.	.	.	.	12	.	.	14	16	44	No	2	No	.
Canora, Union.....	53	7	60	10	1	1	.	.	.	.	1	.	.	2	2	5	No	3	No	.
Carrot River, Mitchell Memorial.....	6	1	7	4	.	1	.	.	.	.	2	.	.	.	2	5	No	2	No	.
Central Butte, Enfield Victorian.....	12	1	13	5	.	1	.	.	.	.	2	.	.	.	2	5	No	2	No	.
Cudworth, St. Michael's.....	22	2	24	7	1	1	.	.	.	.	4	.	.	.	14	20	No	1	No	.
Davidson, Union.....	16	1	17	4	.	1	.	.	.	.	4	.	.	.	2	7	No	1	No	.
Doddsland, Hospital Assoc.....	25	.	25	6	.	1	.	.	.	.	3	.	.	.	1	7	No	1	No	.
Eatonia, Union.....	17	2	19	4	1	.	.	.	.	.	4	.	.	.	4	8	No	1	No	.
Edam, Lady Minto.....	16	2	18	4	.	1	.	.	.	.	4	.	.	.	2	9	No	1	No	.
Elrose, Community.....	13	1	14	4	.	.	.	.	.	.	2	.	.	1	2	5	No	1	No	.
Esterhazy, St. Anthony's.....	21	3	24	8	1	.	.	.	.	.	4	2	1	2	1	11	No	1	No	.
Estevan, St. Joseph's.....	54	4	58	12	1	2	.	.	.	3	17	.	1	.	17	40	Yes	4	No	.	
Eston, Union.....	34	2	36	6	.	1	.	.	.	1	7	.	.	.	8	17	No	2	No	.	
Foam Lake Community.....	12	4	16	5	.	1	.	.	.	.	4	.	.	1	3	9	No	2	No	.
Frontier, Community.....	10	1	11	5	.	2	.	.	.	.	1	.	.	17	3	4	No	1	No	.
Gravelbourg, St. Joseph's.....	50	4	54	9	1	2	.	.	.	1	8	.	.	17	16	45	No	4	No	.	
Gull Lake, Union.....	16	2	18	6	.	1	.	.	.	.	6	.	.	.	4	11	No	1	No	.
Herbert, Community.....	11	1	12	6	.	1	.	.	.	.	4	.	.	.	3	8	No	2	No	.
Humboldt, St. Elizabeth's.....	60	8	68	20	1	4	.	.	.	2	12	34	1	12	20	86	Yes	2	Yes	8	
Ile a la Crosse, St. Joseph's.....	27	3	30	3	1	1	.	.	.	.	3	.	.	5	4	13	No	1	No	.
Indian Head, Union.....	25	2	27	4	1	.	.	.	.	.	8	.	.	1	4	14	No	3	No	.
Kamsack, King Edward.....	24	2	26	7	.	1	.	.	.	1	5	.	.	1	6	14	No	4	No	.	
Kelvington, Union.....	14	2	16	5	.	1	.	.	.	.	4	.	.	3	3	11	No	4	No	.
Kerrobert, Union.....	25	3	28	6	.	.	.	.	.	1	5	.	.	3	3	12	No	3	No	.
Kincaid, Community.....	12	1	13	5	.	1	.	.	.	1	3	.	.	1	1	5	No	2	No	.	
Kindersley, Union.....	28	2	30	8	.	.	.	.	.	.	6	.	.	3	6	17	No	2	No	.
Kinistino, District.....	10	2	12	3	.	1	.	.	.	.	3	.	.	1	3	7	No	1	No	.
Lampman, Union.....	15	2	17	5	.	1	.	.	.	.	3	.	.	1	4	9	No	1	No	.
Lashburn, District.....	27	3	30	4	.	1	.	.	.	.	6	.	.	3	2	12	No	6	No	.
Leader, Town.....	17	2	19	6	.	.	.	.	.	.	2	.	.	2	4	8	No	1	No	.

Lestock, St. Joseph's.....	13	2	15	6	.	1	.	3	.	5	11	No	1	No	.
Lloydminster, Municipal.....	52	6	58	14	.	1	.	14	.	15	32	No	3	No	.
Macklin, St. Joseph's.....	37	5	42	8	.	.	.	7	.	15	27	Yes	5	Yes	.
Maple Creek, General.....	29	3	32	10	.	.	.	4	.	6	20	No	2	No	.
Meadow Lake, Hospital Assoc.....	18	2	20	5	.	.	.	5	.	4	12	No	3	No	.
Melfort, Lady Minto.....	43	4	47	10	1	1	.	12	.	10	30	Yes	4	No	.
Melville, St. Peter's.....	63	6	69	12	1	4	.	10	.	8	30	Yes	7	No	.
Milden, Community.....	10	1	11	4	.	1	.	3	.	3	7	No	2	No	.
Moose Jaw, General.....	165	15	180	20	2	7	88	17	1	36	158	Yes	17	Yes	23
Moose Jaw, Providence.....	100	13	113	12	2	3	48	11	1	18	87	Yes	20	Yes	7
Moosomin, General.....	18	2	20	4	.	1	.	4	.	3	11	No	5	No	.
Nipawin, Union.....	38	3	41	16	1	1	2	9	.	12	30	No	4	No	.
Nokomis, Community.....	12	2	14	6	.	1	.	2	.	3	8	No	4	No	.
North Battleford, Notre Dame.....	75	10	85	22	1	4	.	13	.	14	59	Yes	8	No	.
Oxbow, Union.....	10	3	13	4	.	.	.	2	.	1	5	No	4	No	.
Paradise Hill, Community.....	16	1	17	5	.	.	.	2	.	3	8	No	1	No	.
Ponteix, Gabriel.....	30	3	33	6	.	1	.	3	.	5	14	No	2	No	.
Preeceville, Community.....	16	2	18	5	.	7	53	3	.	3	8	No	1	No	.
Prince Albert, Holy Family.....	130	18	148	20	1	3	38	21	1	21	132	Yes	18	Yes	16
Prince Albert, Victoria.....	66	10	76	14	.	3	.	8	.	3	80	Yes	14	Yes	11
Rabbit Lake, Rose Gill.....	16	1	17	4	.	30	.	3	.	128	9	No	2	No	.
Regina, General.....	565	12	577	40	2	3	190	60	.	115	495	Yes	64	Yes	36
Regina, Grey Nuns'.....	330	18	348	37	1	33	184	34	1	24	426	Yes	61	Yes	55
Rosetown, Union.....	44	4	48	12	1	1	.	11	1	11	26	Yes	4	No	.
Rose Valley, Union.....	15	2	17	6	.	1	.	2	.	4	10	No	1	No	.
Rosthern, Community.....	13	2	15	6	.	1	.	2	.	3	8	No	2	No	.
Saskatoon, City.....	316	20	336	33	1	26	185	39	2	96	382	Yes	67	Yes	45
Saskatoon, St. Paul's.....	226	29	255	34	1	13	152	29	1	85	298	Yes	67	Yes	47
Scott, Municipal.....	16	2	18	6	.	1	.	2	.	4	8	No	2	No	.
Shaunavon, Union.....	24	3	27	8	1	1	.	7	.	5	18	No	2	No	.
Smeaton, W.M.Society.....	8	3	11	4	.	.	.	3	.	2	5	No	3	No	.
Swift Current, General.....	57	5	62	18	2	1	.	20	.	8	39	Yes	4	No	.
Tisdale, St. Therese.....	63	5	68	10	1	4	16	9	.	13	49	Yes	5	No	.
Unity, Union.....	27	4	31	7	1	2	.	6	.	4	15	No	2	No	.
Wadena, Union.....	60	6	66	13	1	1	.	11	.	12	31	Yes	5	No	.
Watrous, Manitou.....	16	1	17	4	.	3	.	2	.	2	11	Yes	4	No	.
Weyburn, General.....	40	4	44	12	1	1	.	10	.	8	24	Yes	4	No	.
Whitewood, Community.....	12	1	12	2	.	1	.	4	.	4	9	No	4	No	.
Wilkie, Union.....	15	1	16	4	.	1	.	6	.	4	13	No	1	No	.
Yorkton, General.....	103	14	117	20	1	4	45	33	.	32	131	Yes	5	Yes	19
RED CROSS OUTPOSTS:															
Carragana.....	8	2	10	4	.	.	.	1	.	1	2	No	.	No	.
Endeavour.....	6	1	7	4	.	.	.	1	.	1	2	No	.	No	.
Hudson Bay Junction.....	14	2	16	6	.	.	.	3	.	3	6	No	1	No	.
Loon Lake.....	18	3	21	8	.	.	.	5	.	4	9	No	1	No	.
Paddockwood.....	5	1	6	4	.	.	.	1	.	1	2	No	1	No	.
Pierceland.....	8	2	10	4	.	.	.	1	.	2	3	No	.	No	.
Rockglen.....	9	2	11	4	.	.	.	1	.	1	2	No	1	No	.
Tuberose.....	10	1	11	4	.	.	.	1	.	2	3	No	1	No	.
	3,817	353	4,170	739	33	189	1,037	644	13	987	3,371				267

H. TABLE II.—PATIENTS TREATED, HOSPITAL DAYS, HOSPITAL AVERAGES, DEATHS IN HOSPITAL, 1945.

	Bed Capacity	Patients Treated				Hospital Days				Average days' stay —Adults	Average days' stay —Newborn	Average No. adult patients daily	Percentage bed occupancy	Total Deaths during year	
		Male	Female	Total	New-born	Grand Total	Private & Semi-private	Public	New-born	Total				Male	Female
Arcola.....	12	237	320	557	61	618	...	3,833	580	4,413	6.9	10.5	87.5	8	10
Assiniboia.....	15	226	300	526	79	605	1,050	3,009	740	4,799	7.2	11.1	74.1	9	6
Balcarres.....	10	151	303	454	75	529	229	3,698	695	4,622	8.6	10.7	107.6	4	6
Bengough.....	12	53	340	393	62	455	..	2,712	572	3,284	5.7	7.4	61.9	1	3
Bienfait.....	10	154	261	415	62	477	381	1,662	455	2,498	8	5.6	56	2	..
Biggar.....	37	353	517	870	138	1,008	2,045	4,180	1,179	7,404	7.1	17	46	19	15
Birch Hills.....	10	122	220	342	64	406	145	2,440	706	3,291	11.7	7	70.8	3	3
Broadview.....	17	208	372	580	116	696	4,683	..	963	5,646	8.2	12.8	75.4	13	5
Cabri.....	14	203	262	465	43	508	19	4,285	275	4,579	9.9	11.8	84.2	9	5
Canora.....	42	766	1,319	2,085	332	2,417	2,005	13,918	2,338	18,261	7.6	43.6	103.8	22	15
Carrot River.....	6	85	167	252	73	325	..	1,686	716	2,402	6.6	4.6	76.9	3	3
Central Butte.....	10	70	130	200	36	236	..	1,187	342	1,529	5.9	3.2	32.5	3	1
Cudworth.....	18	300	424	724	100	824	815	4,204	889	5,908	6.4	13.7	76.4	16	5
Davidson.....	14	105	178	283	58	341	127	1,947	534	2,608	7.3	5.7	40.5	4	2
Doddsland.....	28	74	130	204	53	257	2,350	..	636	2,986	8.7	6.4	23	5	3
Eatonia.....	14	147	166	313	31	344	..	2,284	347	2,631	7.2	6.3	44.7	4	2
Edam.....	14	185	281	466	53	519	..	4,236	488	4,724	9.7	11.6	82.9	6	1
Elrose.....	10	43	51	94	15	109	860	..	165	1,025	9.1	1.1	11.7	..	..
Esterhazy.....	17	259	446	705	124	829	276	3,912	896	5,084	5.8	11.5	67.5	12	7
Estevan.....	45	1,129	1,493	2,622	213	2,835	6,121	14,995	2,229	23,345	5	57.8	128.5	45	24
Eston.....	30	354	526	880	104	984	2,002	4,784	969	7,755	7.7	18.6	61.9	9	9
Foam Lake.....	10	295	326	621	83	704	18	2,185	736	2,939	3.6	6	60.3	2	5
Frontier.....	10	10	19	29	8	37	..	417	111	528	13.5	1	11.4	1	..
Gravelbourg.....	42	607	963	1,570	152	1,722	1,777	8,398	1,359	11,534	6.4	27.8	66.4	19	14
Gull Lake.....	14	167	363	530	112	642	743	3,592	1,232	5,567	8	11.8	84.8	11	7
Herbert.....	10	107	227	334	96	430	89	2,805	944	3,838	8.3	7.9	79.3	7	9
Humboldt.....	45	841	1,465	2,306	388	2,694	3,623	15,164	3,366	22,153	8.1	51.4	114.4	33	26
Ile a la Crosse.....	22	134	197	331	52	383	..	3,696	444	4,140	10.8	10.1	46	9	4
Indian Head.....	23	321	560	881	139	1,020	1,697	5,788	1,392	8,877	8.6	20.5	89.2	10	9
Kamsack.....	14	349	538	887	180	1,067	466	5,296	1,251	7,013	6.7	15.8	112.8	11	3
Kelvington.....	10	205	341	546	84	630	..	4,852	741	5,593	9.1	13.3	132.9	8	5
KerRobert.....	18	217	289	506	73	579	624	4,726	826	6,176	10.8	14.7	81.4	12	..
Kincaid.....	10	179	252	431	56	487	..	2,317	540	2,857	6	6.3	63.4	4	4
Kindersley.....	28	347	538	885	119	1,004	8,318	..	1,170	9,488	9.2	22.8	81.4	9	9
Kinistino.....	10	144	216	360	67	427	148	2,686	656	3,490	7.6	7.7	77.6	5	5
Lampman.....	12	184	297	481	46	527	..	3,553	469	4,022	7.3	9.7	81.1	6	3
Lashburn.....	16	283	318	601	62	663	740	5,240	680	6,660	10	16.4	102.4	5	5
Leader.....	10	145	362	507	120	627	660	2,690	882	4,232	6.7	9.2	91.7	4	11

Lestock.....	10	242	482	724	151	875	68	4,561	1,294	5,923	6.4	8.7	12.7	126.8	4	5
Lloydminster.....	42	612	1,086	1,698	200	1,898	1,530	15,457	2,122	19,109	10	10.8	46.5	110.8	28	25
Macklin.....	24	453	730	1,183	142	1,325	1,118	8,318	1,108	10,544	8.2	8.2	25.8	107.7	11	8
Maple Creek.....	25	254	379	633	111	744	618	4,437	1,061	6,116	8.3	9.8	13.8	55.3	14	11
Meadow Lake.....	15	335	456	791	145	936	..	5,273	1,195	6,468	10.7	8.2	14.4	96.3	9	3
Melfort.....	40	686	1,171	1,857	271	2,128	3,285	10,630	2,640	16,555	7.6	10	38.1	95.3	24	16
Melville.....	54	804	1,121	1,925	249	2,174	3,214	7,112	2,132	12,458	4.9	8.1	28.3	52.4	21	16
Milden.....	10	146	212	358	54	412	..	3,348	622	3,970	9.4	11.1	9.1	91.7	2	3
Moose Jaw Providence.....	100	809	1,206	2,015	336	2,351	15,533	18,691	3,845	38,069	14.5	10.9	93.8	93.7	56	28
Moose Jaw General.....	180	1,680	2,023	3,703	450	4,153	15,262	28,527	5,043	48,833	10.5	10.9	119.9	66.6	97	57
Moosomin.....	15	200	385	585	134	719	1,313	3,624	1,271	6,208	8.3	9.4	13.5	90.1	12	5
Nipawin.....	40	397	765	1,162	238	1,400	1,096	9,747	2,129	12,972	10	9	29.7	74.2	19	12
Nokomis.....	10	96	178	274	65	339	890	1,137	522	2,549	8.2	8	5.5	55.5	6	4
North Battleford.....	65	1,281	1,863	3,144	441	3,585	5,680	16,232	4,197	26,109	7.6	9.8	60	92.3	50	31
Oxbow.....	10	109	206	315	56	371	..	3,077	546	3,623	10.1	9	8.4	84.3	3	1
Paradise Hill.....	10	324	491	815	74	889	..	3,968	613	4,581	4.8	8.3	10.8	108.7	7	6
Ponteix.....	19	200	300	500	87	587	2,342	1,489	875	4,706	7.6	10.1	10.5	55.2	5	8
Preeceville.....	12	184	325	509	103	612	110	3,494	921	4,525	7.3	9.1	9.9	82.2	10	4
Prince Albert, Holy Family.....	135	1,562	2,071	3,633	529	4,162	7,295	40,191	5,166	52,652	13.1	10	130	96.4	87	53
Prince Albert, Victoria.....	82	1,140	1,562	2,702	358	3,060	3,355	21,881	3,348	28,584	8.9	9.3	69.1	84.3	50	24
Rabbit Lake.....	10	129	215	344	56	400	3,174	..	516	3,690	8.7	9.7	8.7	86.9	8	4
Regina, General.....	518	4,464	4,727	9,191	785	9,976	31,402	97,785	8,475	137,662	12.8	10.8	353.9	87	157	89
Regina, Grey Nuns'.....	266	3,383	5,245	8,628	1,057	9,685	26,674	84,908	10,296	121,878	13.3	10.6	305.7	114.9	215	135
Rosetown.....	40	450	648	1,098	135	1,233	1,142	10,059	1,402	12,603	9.5	10.5	30.7	76.7	22	15
Rose Valley.....	10	225	342	567	79	646	..	4,088	775	4,863	7.1	9.8	11.2	112	8	3
Rosthern.....	10	128	179	307	83	390	54	1,864	746	2,664	6.2	9	5.2	52.5	9	1
Saskatoon, City.....	289	3,767	4,186	7,953	884	8,837	15,360	86,491	8,847	110,698	12.2	10	279	96.6	226	103
Saskatoon, St. Paul's.....	233	2,613	3,956	6,569	790	7,359	19,421	53,703	6,802	79,926	10.9	8.8	200.3	86	108	76
Scott.....	12	85	238	323	67	390	..	1,813	674	2,487	5.7	10	4.9	41.4	2	4
Shaunavon.....	21	361	597	958	119	1,077	2,801	4,301	1,137	8,239	7.4	9.8	19.4	92.6	10	10
Smeaton.....	8	33	130	163	51	214	..	1,253	513	1,766	7.7	10	3.4	42.9	..	..
Swift Current.....	46	696	1,149	1,845	373	2,218	3,495	12,714	3,596	19,805	8.9	10.1	44.4	96.5	53	31
Tisdale.....	48	1,116	1,542	2,658	284	2,942	3,303	16,971	2,747	23,021	7.7	9.6	55.5	115.7	33	23
Unity.....	25	304	412	716	112	828	573	6,307	898	7,778	9.5	8	18.8	75.4	9	10
Wadena.....	60	858	1,413	2,271	242	2,513	912	18,858	2,256	22,026	4.9	6.8	54.1	90.2	25	20
Watrous.....	10	209	212	421	46	467	3,467	..	316	3,783	7.4	7.1	9.5	95	12	2
Weyburn.....	35	535	706	1,241	202	1,443	2,036	7,251	1,790	11,077	7.5	8.8	25.4	72.7	29	15
Whitewood.....	10	120	276	396	89	485	..	3,186	837	4,023	8.	9.1	8.7	87.3	8	6
Wilkie.....	28	181	390	571	79	650	518	3,686	702	4,906	7.4	8.5	11.5	71.6	1	8
Yorkton.....	85	1,579	2,426	4,005	508	4,513	9,225	28,010	4,608	41,843	8.9	8.9	102	120	61	32
RED CROSS OUTPOSTS:																
Carragana.....	8	11	50	61	32	93	..	530	370	900	9.1	11.5	1.4	18.1	..	..
Endeavour.....	6	7	32	39	21	60	..	217	189	406	5.5	9	.6	9.9	2	1
Hudson Bay Junction.....	14	136	158	294	62	356	..	2,611	610	3,221	8.7	9.9	7.1	51	3	1
Loon Lake.....	18	217	389	606	117	723	..	5,005	1,482	6,487	8.7	12.9	13.7	76.2	9	6
Paddockwood.....	6	1	34	35	22	57	..	261	340	601	7.1	17	.7	11.9	1	1
Pierceland.....	8	21	75	96	17	113	..	598	170	768	6.3	10	1.6	20.5	1	2
Rockglen.....	9	21	54	75	30	105	..	602	300	902	8.1	9.8	1.6	18.3	1	1
Tuberose.....	10	49	76	125	22	147	..	712	210	922	5.8	10.1	2	10.5	2	1
Totals	3,430	42,972	62,346	105,318	14,287	119,605	228,277	817,355	135,767	1,181,399	9.9	9.5	2,864.7	83.5	1,883	1,164

H. TABLE III.—HOSPITAL SURGERY AND ANAESTHESIA, 1945.

Hospitals	Abdominal						Gynecological				General					TOTAL OPERATIONS	Deaths within 10 days of operation	Blood Transfusions	Fractures		Anaesthesia				Deaths from Anaesthetics	
	Gastro-enterostomy	Appendectomy	Gall Bladder	Appendectomy & Gall Badder	Hernia	Other Abdominal	Hysterectomy	Tubes and Ovaries	Curettings	Other Gynecological	Tonsillectomy	Thyroidectomy	Amputations	Other Major Operations	Other Minor Operations				Operative	Manual Reduction	General	Spinal	Local	TOTAL		
Arcola.....	1	41	2	..	8	1	2	2	2	..	107	..	2	10	34	212	2	10	2	20	175	15	13	203	..	
Assiniboia.....	..	54	1	..	5	5	..	9	2	7	34	..	1	..	39	150	1	..	2	33	125	..	25	150	1	
Balcarres.....	..	45	1	1	3	2	4	5	7	..	86	..	1	1	40	198	2	6	1	10	134	9	33	176	..	
Bengough.....	..	25	..	..	2	4	..	8	..	..	70	..	5	..	69	185	..	3	..	10	126	..	59	185	..
Bienfait.....	..	14	..	..	5	..	..	1	..	..	66	..	2	3	148	241	..	2	..	2	182	3	6	191	..
Biggar.....	1	53	2	..	10	3	2	4	2	2	146	3	9	15	43	293	..	14	5	29	134	51	108	293	..	
Birch Hills.....	..	2	..	..	2	7	..	3	1	16	18	..	5	..	56	89	..	8	..	..	47	6	46	99	..
Broadview.....	1	50	..	..	7	8	4	8	3	2	42	..	3	1	86	217	1	5	..	19	143	1	59	203	..
Cabri.....	..	38	6	..	7	15	2	5	2	2	15	..	2	1	27	123	1	1	6	11	105	7	112	112	..	
Canora.....	..	106	6	2	28	16	2	10	50	4	241	4	7	6	122	604	3	1	2	12	305	180	119	604	..	
Carrot River.....	..	8	..	..	..	..	..	2	2	..	10	..	7	..	23	50	..	..	..	10	30	..	20	50	..
Central Butte.....	..	10	..	..	1	..	1	2	2	..	52	..	7	..	33	99	..	..	..	5	59	6	34	99	..
Cudworth.....	..	56	1	..	4	8	4	1	1	..	43	1	7	2	50	177	1	25	4	18	161	5	15	181	..	
Davidson.....	..	13	..	..	2	1	..	4	1	..	13	..	3	..	8	45	..	..	..	14	42	..	3	45	..
Doddsland.....	..	9	..	..	4	..	..	..	..	..	21	..	..	..	4	40	..	..	..	1	37	..	3	40	..
Eatonia.....	1	8	2	..	1	3	1	1	3	..	12	..	..	3	7	32	..	..	..	15	20	8	4	32	..
Edam.....	..	31	..	1	6	17	..	2	2	..	73	..	1	..	21	145	..	2	..	15	88	38	19	145	..	
Elrose.....	..	11	..	..	2	..	..	1	2	3	8	1	..	4	..	45	..	..	..	6	28	15	2	45	..
Esterhazy.....	..	57	..	..	5	7	..	4	18	17	111	..	..	..	92	315	..	1	1	47	193	..	112	305	..
Estevan.....	..	187	16	..	18	38	16	4	56	25	287	..	21	28	376	1,072	3	59	11	58	442	294	240	976	..	
Eston.....	..	48	6	4	18	6	3	12	24	9	62	2	4	54	193	445	3	21	5	16	242	52	125	419	..	
Foam Lake.....	..	21	..	..	1	..	..	7	7	..	10	..	1	..	10	50	..	4	..	13	22	16	10	48	..
Frontier.....	3	..	14	11	14	..	44	25	158	..	3	..	145	2	..	3	35	8	415	2	28	445	..	
Gravelbourg.....	..	136	..	..	6	6	36	5	6	6	99	..	..	9	139	589	3	6	..	31	128	35	115	278	..
Gull Lake.....	..	21	1	2	1	..	3	1	1	1	22	..	4	6	6	288	..	2	..	6	21	24	22	67	..	
Herbert.....	..	16	16	9	32	14	3	5	37	3	373	12	10	28	307	67	7	39	94	3	514	230	199	943	..	
Humboldt.....	2	159	16	..	..	1	7	2	..	..	152	..	..	1	28	1,010	..	3	1	9	30	39	39	39	..
Ile a la Crosse.....	..	3	6	8	15	13	16	8	5	..	..	7	1	11	62	35	..	5	1	20	430	2	29	461	..
Indian Head.....	1	159	..	..	16	3	8	9	4	..	103	..	5	2	49	463	2	..	4	29	73	39	108	220	..
Kamsack.....	..	67	3	..	3	6	3	7	7	2	81	1	2	6	79	255	3	3	2	6	138	38	51	227	..	
Kelvington.....	..	45	3	1	2	5	1	1	4	..	35	..	2	1	98	182	3	6	1	13	146	..	36	182	..	
Kerrobet.....	..	31	2	..	2	3	..	1	22	2	36	..	2	2	5	128	1	..	..	14	128	..	..	128	..
Kincaid.....	..	54	6	4	11	3	8	11	11	17	66	..	4	..	75	295	1	19	..	32	198	30	136	364	..	
Kindersley.....	..	90	..	..	..	3	..	..	3	..	92	..	..	..	5	100	..	..	3	1	93	..	7	100	..
Kinistino.....	1	..	3	3	1	..	2	2	110	..	2	2	24	162	..	3	5	6	116	25	21	162	..	
Lampman.....	..	12	1	..	..	1	1	2	2	..	41	..	4	..	51	131	..	1	..	37	76	1	54	131	..
Lashburn.....	..	27	1	..	1	3	2	4	14	..	25	..	1	3	50	109	1	3	..	15	12	33	50	95	..	
Leader.....	..	12	..	..	..	6	..	..	3	..	86	..	1	1	39	239	1	..	..	11	206	9	24	239	..
Lestock.....	..	91	9	6	..	4	3	1	1	1

Lloydminster.....	4	130	..	278	1,420	1,405	552	659	1,700	1,512	525	381	1,971	14,410	43,843	228	3,474	569	2,523	25,649	5,740	10,915	42,304	2
Macklin.....	1	40	2	12	2	2	25	11	..	4	7	127	547	..	17	1	7	79	502	3	59	564
Maple Creek.....	..	28	..	..	..	11	3	3	10	24	..	7	24	268	524	..	4	1	22	254	80	169	503
Meadow Lake.....	1	53	1	..	..	50	10	6	71	6	..	3	6	100	279	..	4	1	32	218	1	63	282
Melfort.....	2	220	24	..	39	..	28	40	..	2	6	3	12	57	187	..	4	12	26	115	10	52	177	
Melville.....	..	94	2	..	9	1	10	7	269	6	6	7	12	216	938	..	21	3	82	665	158	100	923	
Milden.....	..	15	..	..	2	..	1	..	155	6	6	6	6	140	443	..	22	..	39	235	55	139	429
Moose Jaw, General.....	..	168	22	..	2	1	..	1	28	..	..	..	..	40	93	..	6	1	20	70	23	93	..
Moose Jaw, Providence.....	1	83	2	3	79	85	30	7	331	221	1	16	221	229	1,278	..	69	14	79	899	342	230	1,471	
Moosomin.....	..	78	15	4	45	22	13	1	103	1	3	7	1	204	517	..	64	4	47	315	163	40	518	
Nipawin.....	..	145	11	..	10	6	6	3	93	6	..	6	6	30	276	..	4	1	20	408	5	25	438	
Nokomis.....	..	23	..	..	20	..	40	1	85	23	4	3	23	57	427	..	14	9	36	206	146	60	412
North Battleford.....	2	302	26	9	8	13	40	2	46	1	..	3	1	7	92	..	5	1	16	75	8	9	92	
Oxbow.....	..	38	..	..	2	13	..	7	361	4	..	7	4	311	1,168	..	32	7	108	1,018	72	123	1,213
Paradise Hill.....	..	55	1	3	6	15	1	3	15	4	..	3	4	50	114	..	4	..	10	57	..	57	114	
Preeceville.....	..	26	..	..	6	..	2	..	92	..	2	5	..	123	391	..	..	2	26	192	87	68	347
Ponteix.....	..	31	..	..	12	..	4	..	46	..	..	..	..	31	164	..	..	..	17	114	27	25	166
Pr. Albert, Holy Family.....	5	147	10	18	38	28	85	11	201	16	7	14	16	604	1,230	..	71	32	73	659	196	206	1,061	
Pr. Albert, Victoria.....	3	130	10	4	45	36	18	8	271	8	1	23	8	405	997	..	36	5	35	627	80	268	975	
Rabbit Lake.....	..	27	3	..	11	1	1	1	31	3	1	1	3	15	95	..	..	2	4	95	..	..	95
Regina, General.....	8	520	70	35	271	178	140	84	1,323	198	81	53	198	2,967	6,232	..	542	40	470	3,276	298	1,305	4,879	
Regina, Grey Nuns.....	..	590	111	25	195	440	265	35	1,224	547	119	8	547	1,485	5,334	..	896	55	195	3,555	330	1,258	5,143	
Rosetown.....	..	40	3	1	9	10	7	6	96	2	..	..	2	185	364	..	3	..	36	229	1	59	289
Rose Valley.....	1	34	1	..	2	..	..	1	89	1	..	4	1	38	176	..	2	1	7	147	27	33	207
Rosthern.....	..	12	..	..	..	1	..	..	13	..	..	2	..	19	47	..	..	5	7	41	17	59	
Saskatoon, City.....	31	398	53	21	131	151	151	53	718	236	65	19	236	1,571	3,763	..	612	112	88	1,824	499	1,945	4,268	
Saskatoon, St. Paul's.....	..	500	125	65	150	160	66	50	612	115	95	14	115	860	3,002	..	447	34	5	1,226	733	1,279	3,238	
Scott.....	..	7	..	..	..	2	7	3	22	..	..	1	..	10	42	..	..	..	6	27	15	42	
Shanavon.....	..	66	1	1	5	12	..	7	119	226	..	4	226	89	551	..	16	3	12	224	64	30	318	
Smeaton.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Swift Current.....	7	62	4	3	17	11	18	11	252	..	5	8	..	160	593	..	43	3	62	379	87	133	599	
Tisdale.....	..	95	8	..	31	22	5	3	273	10	3	3	10	296	815	..	146	2	86	605	81	59	745	
Unity.....	..	34	2	..	9	8	1	4	52	..	..	..	..	56	184	..	4	11	16	131	29	36	196
Wadena.....	2	147	1	11	27	10	11	10	259	..	13	9	..	217	778	..	20	1	52	476	168	124	768	
Watrous.....	1	22	..	..	4	1	2	1	26	..	..	3	..	26	87	..	5	2	15	64	2	21	87
Weyburn.....	..	82	4	3	19	5	6	6	211	14	4	3	14	64	450	..	10	..	4	255	142	83	480	
Whitewood.....	..	54	..	..	7	8	1	3	71	10	..	3	10	12	177	..	..	5	10	127	62	189	
Wilkie.....	..	59	5	1	12	11	5	9	74	6	24	3	6	58	282	..	4	1	11	150	52	88	290	
Yorkton.....	..	253	28	26	64	96	15	41	486	50	52	5	50	575	1,838	..	83	8	65	445	608	654	1,707	
RED CROSS																								
OUTPOSTS																								
Carragana.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Endeavour.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hudson Bay Junction.....	..	..	..	..	..	..	..	..	..	8	..	..	..	6	14	..	3	..	..	14	..	3	17
Loon Lake.....	..	14	2	..	5	2	..	..	24	..	..	1	..	6	56	..	6	..	..	41	..	15	56
Paddockwood.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pierceland.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rocklgen.....	..	..	..	..	..	..	..	..	4	..	..	..	..	..	4	..	..	..	..	4	..	..	4
Tuberose.....	..	8	..	..	..	..	1	..	4	..	..	..	..	..	15	..	..	..	..	15	..	..	15
TOTALS.....	76	6,640	629	278	1,420	1,405	552	659	1,700	1,512	525	381	1,971	14,410	43,843	228	3,474	569	2,523	25,649	5,740	10,915	42,304	2

H. TABLE IV.—MATERNITY STATISTICS AND SPECIAL DISEASES.

	Caesarean Oper's.	Maternity Cases	% Maternity Cases to Total Admissions	Living Births		Mortality				Abortions		Pulmonary Tuberculosis	Other forms Tuberculosis	Typhoid fever	Other Communicable Diseases	Cardiac and Arteries	Rheumatic	Arthritis	Goitre	Syphilis	Gonorrhoea	Nephritis	Cancer
				Male	Female	No. deaths	Rate per 1,000	Newborn	Rate per 1,000	Non-operative	Operative												
Arcola.....	..	62	11	33	28	..	..	..	..	5	2	1	..	..	1	14	3	3	..	1	..	2	4
Assiniboia.....	1	78	14.8	38	39	..	..	26	..	9	9	..	..	..	..	14	1	4	1	2	..	2	1
Balcarres.....	..	76	16.7	40	34	..	..	40	..	8	1	..	..	..	2	27	5	8	3	..	9	18	2
Bengough.....	..	64	16.5	38	24	..	..	16	..	4	8	..	..	..	..	6	5	3	1	..	..	2	1
Bienfait.....	..	62	14.9	28	32	..	..	..	..	4	1	..	..	2	4	12	..	3	..	6	..	1	1
Biggar.....	..	133	15.3	60	72	..	..	38	..	9	..	2	..	..	..	15	9	2	2	..	..	12	4
Birch Hills.....	..	63	18.7	31	32	..	..	..	..	3	..	3	..	..	..	21	3	5	3	..	7	5	4
Broadview.....	..	114	20.1	48	65	..	..	9	..	5	..	1	..	..	..	17	..	2	..	..	..	11	3
Cabri.....	..	40	8.6	16	23	..	..	25	..	6	3	1	..	..	..	4	9	1	..	..	19	24	3
Canora.....	1	319	15.3	151	171	..	6	9	..	10	18	3	3	..	21	68	49	7	25	..	4	13	24
Carrot River.....	..	71	28.2	35	37	..	..	28	..	4	2	..	..	..	..	2	2	..	..	1	..	1	1
Central Butte.....	..	36	18	19	16	..	..	..	..	..	..	..	..	..	..	4	..	..	..	..	..	2	..
Cudworth.....	3	99	13.7	64	36	..	10	..	..	5	..	1	..	..	62	44	5	10	6	1	..	6	..
Davidson.....	..	57	20.3	36	20	..	..	..	..	3	..	..	..	..	..	12	3	2	..	..	..	3	..
Doddsland.....	..	49	24	30	21	..	..	..	..	6	..	..	..	..	..	9	6	..	1	..	..	1	2
Eatonia.....	..	31	9.9	13	18	..	..	..	..	..	..	..	1	..	..	5	1	..	..	..	..	2	..
Edam.....	..	53	11.6	32	21	..	..	19	..	..	..	..	..	..	..	27	6	6	..	..	..	8	..
Elrose.....	..	14	14.9	10	4	..	8	..	..	2	..	..	1	..	..	21	1	4	..	..	..	2	1
Esterhazy.....	..	124	17.6	72	51	..	..	24	..	3	3	..	..	..	..	6	12	3	4	..	..	10	4
Estevan.....	13	200	7.6	95	107	..	..	35	..	4	17	..	..	..	4	57	27	23	53	4	22	9	1
Eston.....	..	106	12	49	54	..	..	19	..	6	9	..	..	..	3	26	39	9	6	..	6	11	3
Foam Lake.....	..	82	13.2	42	40	..	12	12	..	11	..	..	..	..	..	66	..	4	..	..	..	15	8
Frontier.....	..	9	32.1	5	3	..	..	..	..	..	..	..	..	..	..	4	..	..	..	..	..	10	..
Gravelbourg.....	..	150	9.5	68	80	..	6	54	..	..	..	2	..	..	1	19	15	23	..	..	2	..	14
Gull Lake.....	..	111	21.3	55	55	..	..	..	..	9	..	..	2	..	15	18	9	5	..	..	2	..	3
Herbert.....	1	97	29.3	50	45	..	..	10	..	6	1	..	..	..	1	16	3	1	..	..	2	..	1
Humboldt.....	5	370	16.3	210	164	..	..	19	..	37	..	2	7	..	10	68	8	21	38	..	3	14	..
Ile a la Crosse.....	..	51	15.1	24	27	..	..	..	..	..	..	13	..	..	..	6	3	2	..	1	11	5	..
Indian Head.....	2	138	15.7	73	66	..	..	14	..	7	..	5	..	1	..	30	4	2	2	..	2	6	4
Kamsack.....	..	176	20	96	82	..	..	37	..	2	3	2	..	..	..	25	12	3	1	1	13	5	..
Kelvington.....	2	81	15.1	35	46	..	..	..	..	6	..	..	..	1	..	11	4	4	1	..	2	5	2
Ker Robert.....	2	73	14.4	31	42	..	..	..	..	..	..	2	..	..	..	24	3	6	1	..	2	10	..
Kincaid.....	2	53	12.5	27	27	..	19	..	..	..	7	..	..	..	..	27	4	4	..	..	6	2	3
Kindersley.....	..	116	13.1	53	64	..	..	17	..	8	7	..	..	..	67	60	5	12	..	..	4	10	3
Kinistino.....	..	61	16.9	30	33	..	..	95	..	2	..	..	..	..	..	14	2	5	..	..	4	4	3
Lampman.....	2	46	9.6	16	30	..	..	22	..	3	..	..	..	..	..	5	2	2	2	..	2	1	1
Lashburn.....	..	60	10.2	26	35	..	..	..	..	3	1	..	..	..	..	22	7	4	..	..	3	..	4
Leader.....	..	118	23.3	53	64	..	..	35	..	3	11	..	..	2	..	25	2	3	2	..	1	2	4
Lestock.....	..	148	20.4	72	77	..	..	26	..	1	..	..	1	..	4	4	2	3	..	..	2	3	..

Lloydminster.....	6	196	11.8	101	6,744	26	1.9	264	18.9	275	807	533	266	107	32	1,061	3,231	665	917	989	229	1,133	656	1,487
Macklin.....	1	138	11.8	85	53	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Maple Creek.....	..	112	18	56	51	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Meadow Lake.....	2	150	18.9	78	66	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Melfort.....	5	272	14.6	126	138	4	15	7	27	11	4	..	3	..	..	..	..	..	..	..	..	..	..	..
Melville.....	2	259	13.7	126	122	2	8	2	8	11	31	..	1	..	..	..	..	..	..	..	..	..	..	..
Milden.....	..	51	14.3	26	26	..	..	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..	..	..
Moose Jaw, General.....	16	439	11.9	235	200	1	23	9	21	7	28	34	10	1	1	31	135	16	14	19	15	6	7	29
Providence.....	2	336	16.7	158	167	..	..	9	27	11	..	..	45	4	..	34	128	7	26	6	39	118	..	23
Moosomin.....	3	130	22.6	70	62	..	..	1	8	3	7	10	..	..	..	..	6	2	3	..	..	..	..	..
Nipawin.....	7	230	20	125	107	1	3	8	34	2	13	6	..	..	..	2	12	2	2	..	1	2	..	10
Nokomis.....	1	66	24.8	36	29	..	..	1	15	3	2	..	1	..	1	6	11	2	1	..	..	..	..	1
North Battleford.....	11	434	13.8	229	200	..	..	3	7	7	15	19	11	5	4	24	74	15	26	7	20	117	8	35
Oxbow.....	..	56	17.8	36	20	..	..	..	..	2	2	2	..	..	..	..	6	5	1	..	..	..	1	3
Paradise Hill.....	..	70	8.6	36	33	1	15	2	29	2	10	..	2	..	..	..	39	16	10	4	..	1	4	..
Ponteix.....	..	87	17.6	39	47	..	..	2	23	2	2	6	..	..	3	3	8	4	6	2	1	5	4	..
Preeceville.....	..	105	20.6	57	44	..	..	2	20	5	11	2	..	..	..	..	19	7	4	..	..	..	2	2
Prince Albert, Holy Family.....	6	523	14.4	264	254	1	2	12	23	8	60	21	6	7	..	30	127	21	35	60	4	143	77	37
Victoria.....	2	355	13.1	198	155	..	..	8	23	5	34	11	..	4	..	69	60	12	21	1	1	192	16	11
Rabbit Lake.....	..	57	16.6	29	27	..	..	1	18	1	14	2	..	10	..	3	9	1	5	5	1	1	3	1
Regina, General.....	23	774	8.4	383	378	..	..	28	37	20	96	107	68	33	..	135	175	3	57	94	23	189	41	96
Grey Nuns'.....	24	1,033	12	531	498	2	2	15	15	15	30	48	8	6	..	70	71	16	38	67	16	1	30	411
Rosetown.....	1	131	12.2	64	67	..	..	4	33	2	12	14	1	..	..	3	43	8	16	3	..	3	12	7
Rose Valley.....	2	80	14.4	39	39	1	12	3	38	4	5	..	..	..	..	..	..	..	4	..	..	..	..	1
Rosthern.....	..	79	26.2	42	39	..	..	2	25	1	2	3	..	..	..	..	14	..	1	..	..	..	..	..
Saskatoon, City.....	11	866	10.9	424	440	1	1	13	15	14	62	34	23	3	..	107	362	21	81	69	52	82	44	416
St. Paul's.....	2	784	11.9	427	346	1	1	13	17	19	39	25	11	6	5	249	258	9	111	177	14	6	50	116
Scott.....	..	67	21.2	35	31	..	..	..	..	1	2	..	..	..	..	..	4	2	..	..	..	1	..	3
Shaunavon.....	..	117	12.3	62	55	1	8	1	9	1	7	..	..	1	..	..	37	10	2	..	..	..	1	6
Smeaton.....	..	51	32	19	29	..	..	..	..	3	5	..	..	..	..	..	2	4	2	..	..	..	..	8
Swift Current.....	8	372	20.1	194	171	..	..	5	14	11	3	1	4	3	1	10	69	1	18	6	..	9	2	..
Tisdale.....	5	285	10.7	165	115	..	..	1	4	7	20	13	5	..	..	3	133	32	49	8	3	21	18	30
Unity.....	..	109	15.2	57	54	1	9	8	72	2	5	11	..	..	..	2	21	4	12	..	..	9	6	7
Wadena.....	3	230	10.1	122	109	..	..	5	22	2	33	..	4	1	8	4	76	23	17	48	..	..	14	3
Watrous.....	..	48	11.4	21	25	..	..	..	..	2	7	..	..	..	..	..	13	3	5	3	1	18	3	2
Weyburn.....	3	199	16.3	100	99	..	..	7	35	4	2	3	1	..	..	2	44	11	5	..	..	5	5	1
Whitewood.....	..	88	22.7	47	41	..	..	2	23	3	1	8	..	..	..	..	9	1	..	..	..	..	..	2
Wilkie.....	3	74	13.2	39	37	1	..	2	23	3	1	..	..	..	..	1	18	4	3	..	..	4	9	3
Yorkton.....	2	510	12.7	272	230	..	..	6	12	9	8	6	13	1	..	42	137	49	20	72	2	22	25	42
RED CROSS OUTPOSTS																								
Carragana.....	..	31	50.8	14	18	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..
Endeavour.....	..	21	54	12	9	..	..	..	..	..	..	..	..	..	..	..	11	6	1	..	..	..	..	1
Hudson Bay Jct.....	..	62	20.9	36	25	..	..	..	..	..	3	..	..	..	..	..	14	5	6	..	..	..	5	2
Loon Lake.....	..	114	19.1	55	59	..	..	2	17	1	7	2	..	..	..	..	1	..	1	1	..	6	13	3
Paddockwood.....	..	22	62.8	9	12	..	..	..	..	1	..	..	..	..	..	..	3	..	1	..	..	..	..	..
Pierceland.....	..	17	17.9	7	10	..	..	..	..	..	5	..	..	..	..	..	1	2	1	..	..	..	2	..
Rocklgen.....	..	30	40.5	11	19	..	..	..	..	..	2	..	..	..	..	..	4	2	1	..	..	..	2	..
Tuberose.....	..	21	17	12	9	..	..	1	48	..	3	..	..	..	1	..	6	2	..	..	..	..	..	..
Totals.....	185	14,072	13.3	7,213	6,744	26	1.9	264	18.9	275	807	533	266	107	32	1,061	3,231	665	917	989	229	1,133	656	1,487

*Caesarian Operations are included in Maternity Cases.

H. TABLE V.—OUT-PATIENTS, CLINICAL SERVICES, HOSPITAL INFECTIONS AND DEATHS, 1945.

Hospitals	Out-Patients		Clinical Services						Hospital Infections			Deaths in Hospitals					
	No. of Patients	No. of Treatments	Laboratory Examinations	Tissues referred to Pathology	Kahn or Wassermann Specimens referred	X-Rays		Surgical	Obstetrics		From Cancer	From Cardiac	From Communicable Diseases	Deaths within 48 hours of Admission			
						Plates	Fluoroscopes		Mothers	Newborn				Adults and Children		Newborn	
														M	F	M	F
Arcola.....	248	248	100	20	10	420	10	2	3	4	3	4	3	4	3	3	

Lloydminster.....	108	1,076	1,620	47	30	1,315	208	1	3	4	2	10	.	6	7	1	2	7	9
Macklin.....	54	198	1,961	72	130	731	5	.	.	.	1	3	1	1	1	1	1	2	2
Maple Creek.....	175	195	781	12	5	144	5	1	.	.	1	6	1	4	4	4	1	5	5
Meadow Lake.....	38	38	.	336	.	358	21	.	2	2	.	5	1	3	3	1	1	2	2
Melfort.....	421	485	2,411	96	24	1,926	10	.	.	1	4	10	.	4	6	1	1	6	2
Melville.....	238	262	3,669	24	268	906	2	.	.	.	4	7	.	2	3	1	.	3	6
Milden.....	..	..	9,256	24	166	248	106	.	.	.	1	3	.	.	.	6	.	.	.
Moose Jaw, General.....	..	..	11,136	211	2,837	17,920	2,500	16	.	4	22	46	.	20	22	12	2	22	14
Moose Jaw, Providence.....	408	408	8,142	218	1,271	1,022	150	16	1	.	8	26	4	10	14	2	2	14	4
Moosomin.....	242	303	238	60	6	132	18	1	.	2	4	4	1	4	4	2	1	4	3
Nipawin.....	..	..	..	33	20	491	..	..	.	.	.	2	1	5	7	2	3	5	5
Nokomis.....	752	828	5,295	52	1,043	76	4	..	.	3	21	25	2	10	2	10	.	13	10
North Battleford.....	..	..	130	52	2	3,051	50	..	.	4	1	1	.	2	2	.	.	2	1
Oxbow.....	..	..	350	25	25	600	45	3	.	.	1	8	.	1	1	.	1	1	1
Paradise Hill.....	165	165	356	30	18	304	20	..	.	.	.	5	.	1	2	.	.	2	2
Ponteix.....	74	79	178	44	..	162	47	1	.	.	1	6	.	2	2	1	1	2	2
Preeceville.....	1,005	1,580	9,916	366	2,012	2,693	260	1	.	.	7	37	.	18	9	9	6	24	14
Prince Albert, Holy Family.....	3,044	3,044	5,863	254	1,105	2,153	96	3	.	.	3	7	.	1	7	18	6	18	11
Prince Albert, Victoria.....	..	..	36	40	4	55	6	..	.	.	3	1	.	1	3	3	2	3	27
Rabbit Lake.....	..	..	32,081	2,619	5,882	19,883	25	127	.	16	13	62	18	40	17	5	5	45	27
Regina, General.....	3,933	4,649	32,352	8,599	6,073	19,184	3,562	244	5	5	11	26	.	22	24	6	3	28	27
Regina, Grey Nuns.....	249	302	1,247	56	90	1,230	30	..	.	4	4	8	2	6	2	1	2	7	4
Rosetown.....	40	40	..	41	..	..	..	..	.	.	1	1	.	3	.	1	.	4	.
Rose Valley.....	..	..	..	..	..	..	..	..	.	9	..	4	.	4	.	2	.	6	.
Rosthern.....	3,797	3,797	43,937	5,185	..	23,688	1,747	131	.	1	94	52	4	23	16	2	5	25	21
Saskatoon, City.....	1,168	1,168	19,113	1,277	596	8,289	967	83	10	2	22	43	2	23	20	2	3	29	23
Saskatoon, St. Paul's.....	..	..	130	10	50	35	..	..	.	.	2	5	.	.	.	.	.	.	.
Scott.....	..	..	..	76	70	36	33	..	.	.	4	3	.	2	3	.	.	3	3
Shaunavon.....	..	..	250	..	..	..	..	..	.	.	..	..	.	.	.	.	.	.	.
Smeaton.....	200	350	..	..	..	..	..	..	.	.	6	35	.	15	6	.	2	.	8
Swift Current.....	584	584	2,180	20	3	1,363	47	..	.	.	8	18	1	7	2	7	1	10	3
Tisdale.....	250	427	5,489	179	69	1,751	216	1	1	4	2	3	.	1	3	1	2	2	5
Unity.....	..	..	415	48	37	71	6	..	.	2	..	16	.	6	4	1	2	7	6
Wadena.....	..	..	5,556	224	107	1,319	60	..	.	2	..	13	.	4	4	1	1	4	1
Watrous.....	..	..	615	60	75	320	18	..	.	.	2	14	.	12	2	5	1	17	5
Weyburn.....	..	..	973	143	24	..	..	..	.	.	1	5	.	3	2	2	2	3	4
Whitewood.....	30	30	5	64	..	..	..	..	.	3	..	1	.	.	.	.	.	.	.
Wilkie.....	..	..	..	88	4	..	..	..	.	13	..	1	.	10	.	.	.	.	.
Yorkton.....	919	974	24,270	634	151	5,311	433	4	.	.	6	28	3	10	10	3	1	13	11
RED CROSS OUTPOSTS:																			
Carragana.....	331	331	82	..	..	..	..	..	.	.	..	1	.	.	.	.	.	.	.
Endeavour.....	1,425	1,425	35	..	..	..	..	..	.	.	1	3	.	2	2	.	2	2	2
Hudson Bay Junction.....	152	152	140	8	10	..	..	..	.	1	2	6	.	2	6	1	.	6	1
Loon Lake.....	162	162	51	..	..	..	..	..	.	.	..	6	.	.	.	1	.	1	.
Paddockwood.....	1,609	1,609	93	..	..	..	..	..	.	.	..	.	.	.	.	.	.	.	.
Pierceland.....	981	981	66	..	..	..	..	..	.	.	..	.	.	.	.	.	.	.	.
Rockglen.....	100	100	28	..	..	..	..	..	.	.	..	.	.	.	.	.	.	.	.
Tuberose.....	..	..	..	..	..	..	..	..	.	.	..	1	.	2	.	.	.	2	.
Totals.....	29,235	32,837	257,788	22,890	23,290	155,282	13,080	644	21	99	43	437	710	62	382	227	105	90	317

H. TABLE VI.—OPERATING COST PER PATIENT PER DAY, 1945.

Hospitals	Days Hospital	Total Expenditure	Gross Cost Per Patient 1945	Operating Expenses	Net Cost Per Patient Day 1945	% of Bed Occupancy 1945	Net Cost Per Patient Day 1944	% of Bed Occupancy 1944
Arcola.....	4,413	\$17,943.21	\$4.07	\$16,360.76	\$3.71	87	\$4.24	50
Assiniboia.....	4,799	23,204.08	4.83	19,534.53	4.07	74	3.54	82
Balcarres.....	4,622	18,752.87	4.06	17,011.80	3.68	107	3.86	103
Bengough.....	3,284	11,605.37	3.53	10,582.93	3.22	61	2.89	49
Bienfait.....	2,498	11,440.39	4.58	10,784.79	4.32	56	3.46	63
Biggar.....	7,404	40,057.08	5.41	29,609.82	3.99	46	3.76	40
Birch Hills.....	3,291	14,094.61	4.28	12,663.37	3.85	70	4.51	76
Broadview.....	5,646	20,736.50	3.67	17,386.41	3.08	75	2.59	75
Cabri.....	4,579	20,872.29	4.56	17,739.70	3.87	84	3.31	111
Canora.....	18,261	61,948.70	3.39	60,332.55	3.34	103	2.88	97
Carrot River.....	2,402	6,094.43	2.54	5,962.48	2.48	76	2.36	70
Central Butte.....	1,529	7,440.82	4.86	7,392.15	4.83	32	4.02	29
Cudworth.....	5,908	23,213.42	3.93	18,964.62	3.21	76	2.83	77
Davidson.....	2,608	16,243.91	6.23	14,192.41	5.44	40	3.89	44
Doddsland.....	2,986	12,578.01	4.21	12,276.60	4.11	23	3.16	25
Eatonia.....	2,631	13,765.98	5.23	13,167.88	5.00	44	4.81	39
Edam.....	4,724	16,754.58	3.55	15,931.01	3.37	82	2.60	87
Elrose.....	1,025	3,245.99	3.16	2,670.42	2.61	11	4.59	35
Esterhazy.....	5,084	18,523.77	3.64	15,120.53	2.96	67	2.68	54
Estevan.....	23,345	79,951.83	3.42	70,835.06	3.03	128	2.75	99
Eston.....	7,755	33,148.32	4.28	30,109.30	3.88	61	3.38	70
Foam Lake.....	2,939	11,967.01	4.07	11,934.38	4.06	60	3.24	68
Frontier.....	528	3,127.29	5.92	3,127.29	5.92	11	3.83	15
Gravelbourg.....	11,534	66,783.25	5.79	52,254.30	4.53	66	3.61	67
Gull Lake.....	5,567	24,717.22	4.44	20,050.16	3.60	84	4.18	72
Herbert.....	3,838	13,199.79	3.44	12,916.85	3.37	79	2.54	82
Humboldt.....	22,153	101,814.58	4.59	78,253.32	3.53	114	3.94	91
Ile a la Crosse.....	4,140	14,096.62	3.40	13,953.87	3.37	46	3.61	38
Indian Head.....	8,877	35,200.06	3.97	30,236.00	3.40	89	3.20	83
Kamsack.....	7,013	25,026.37	3.57	22,940.48	3.27	112	3.16	95
Kelvington.....	5,593	22,177.11	3.96	20,937.60	3.74	132	3.66	116
Kerrobart.....	6,176	26,608.34	4.31	23,354.68	3.78	81	4.22	75
Kincaid.....	2,857	13,466.63	4.71	12,991.09	4.55	63	3.57	65
Kindersley.....	9,488	37,491.09	3.95	36,438.69	3.84	81	3.58	87
Kinistino.....	3,490	12,279.06	3.53	10,714.23	3.07	77	3.07	65
Lampman.....	4,022	16,016.19	3.98	15,642.22	3.89	81	3.71	70
Lashburn.....	6,660	24,952.29	3.75	22,208.56	3.34	102	2.88	95
Leader.....	4,232	15,442.83	3.65	14,879.75	3.52	91	3.25	78
Lestock.....	5,923	14,904.93	2.51	13,765.94	2.32	126	2.40	90
Lloydminster.....	19,109	61,588.67	3.23	57,084.17	2.99	110	2.88	106
Macklin.....	10,544	31,951.77	3.03	27,990.15	2.65	107	2.38	150

Maple Creek.....	6,116	26,104.83	4.27	24,513.69	4.01	55	4.62	49
Meadow Lake.....	6,468	19,947.06	3.08	18,297.74	2.83	96	3.05	63
Melfort.....	16,555	66,145.92	3.99	60,392.30	3.64	95	3.11	93
Melville.....	12,458	54,395.36	4.37	43,861.53	3.52	52	3.07	52
Milden.....	3,970	14,820.53	3.73	12,232.47	3.08	91	2.98	90
Moose Jaw, General.....	48,832	183,768.54	3.76	175,817.24	3.60	66	3.37	67
Moose Jaw, Providence.....	38,069	103,625.53	2.72	91,574.61	2.41	93	2.70	75
Moosomin.....	6,208	15,946.38	2.57	14,082.39	2.27	90	2.45	83
Nipawin.....	12,972	47,657.22	3.67	40,055.17	3.09	74	3.22	100
Nokomis.....	2,549	11,051.52	4.34	9,870.90	3.85	55	3.39	36
North Battleford.....	26,109	105,375.79	4.04	95,081.31	3.64	92	3.38	87
Oxbow.....	3,623	12,889.79	3.55	12,256.04	3.38	84	3.40	72
Paradise Hill.....	4,581	13,619.39	2.97	12,223.56	2.67	108	2.55	104
Ponteix.....	4,706	21,410.74	4.55	17,368.37	3.69	55	3.28	52
Preeceville.....	4,525	13,710.16	3.03	12,832.15	2.83	82	2.55	65
Prince Albert, Holy Family.....	52,652	166,911.82	3.17	140,758.24	2.67	96	2.64	87
Prince Albert, Victoria.....	28,584	104,513.76	3.66	96,012.57	3.36	84	3.05	76
Rabbit Lake.....	3,690	11,251.45	3.05	10,827.56	2.93	86	2.55	91
Regina, General.....	137,662	690,555.29	5.01	675,730.26	4.90	87	4.57	96
Regina, Grey Nuns.....	121,878	521,760.20	4.28	476,911.76	3.91	114	3.78	104
Rosetown.....	12,603	52,427.83	4.16	50,704.82	4.02	76	3.61	79
Rose Valley.....	4,863	15,736.54	3.24	14,398.47	2.96	112	3.03	90
Rosthern.....	2,664	9,164.89	3.44	9,164.89	3.44	52	3.02	59
Saskatoon, City.....	110,698	528,562.96	4.77	453,567.79	4.09	96	3.89	80
Saskatoon, St. Paul's.....	79,926	352,257.33	4.41	305,315.38	3.82	86	2.99	91
Scott.....	2,487	14,399.81	5.79	14,046.75	5.65	41	5.01	40
Shaunavon.....	8,239	37,933.63	4.60	35,336.21	4.29	92	4.15	88
Smeaton.....	1,766	6,322.75	3.58	6,225.35	3.52	42	4.36	36
Swift Current.....	19,805	78,069.89	3.91	75,025.54	3.79	96	3.62	87
Tisdale.....	23,021	67,435.08	2.93	64,350.45	2.79	115	2.68	93
Unity.....	7,778	27,551.36	3.54	25,497.02	3.28	75	3.06	74
Wadena.....	22,026	65,494.55	2.97	58,103.53	2.59	90	2.27	80
Watrous.....	3,783	16,891.85	4.46	15,389.98	4.07	95	4.18	91
Weyburn.....	11,077	45,754.26	4.13	43,736.32	3.95	72	3.69	60
Whitewood.....	4,023	15,934.44	3.96	14,702.32	3.65	87	3.44	78
Wilkie.....	4,906	24,351.26	4.96	22,881.05	4.66	71	4.43	78
Yorkton.....	41,843	182,062.21	4.35	165,127.84	3.94	120	3.62	146
TOTALS.....	1,167,192	\$4,790,239.18	\$4.10	\$4,334,576.42	\$3.71	.....	\$3.47	.....

H. TABLE VII.—STATEMENT OF REVENUE AND EXPENDITURE, 1945.

Hospital	Provincial Government Grant	Revenue	Expenditure	Net Profit	Net Loss
Arcola.....	\$ 2,207.00	\$ 20,142.81	\$ 17,943.21	\$ 2,199.60	\$ 3,873.40
Assinibola.....	2,407.50	19,330.68	23,204.08	.....	.....
Balcarres.....	2,295.50	21,491.30	18,752.87	2,738.43	.....
Bengough.....	1,642.00	10,800.00	11,605.37	.....	805.37
Bienfait.....	1,166.50	9,686.35	11,440.39	.....	1,754.04
Biggar.....	3,701.00	33,256.37	40,057.08	.....	6,800.71
Birch Hills.....	1,645.50	14,803.91	14,094.61	709.30	.....
Broadview.....	2,179.00	20,551.92	20,736.50	.....	184.58
Cabri.....	1,973.00	16,244.49	20,872.29	.....	4,627.80
Canora.....	9,327.00	67,011.32	61,948.70	5,062.62	.....
Carrot River.....	1,136.00	5,339.85	6,094.43	.....	754.58
Central Butte.....	780.00	6,601.41	7,440.82	.....	839.41
Cudworth.....	2,952.00	28,552.15	23,213.42	5,338.73	.....
Davidson.....	1,302.00	12,617.25	16,243.91	.....	3,626.66
Dodsland.....	1,493.00	10,538.43	12,578.01	.....	2,039.58
Eatonia.....	1,341.50	12,707.94	13,765.98	.....	1,058.04
Edam.....	2,362.00	15,858.64	16,754.58	.....	895.94
Elrose.....	826.50	3,061.50	3,245.99	.....	184.49
Esterhazy.....	2,833.50	20,697.99	18,523.77	2,174.22	.....
Estevan.....	11,665.00	92,558.16	79,951.83	12,606.33	.....
Eston.....	4,142.00	32,247.83	33,148.32	.....	900.49
Foam Lake.....	1,543.00	11,843.54	11,967.01	.....	123.47
Frontier.....	341.50	2,818.60	3,127.29	.....	308.69
Gravelbourg.....	5,737.00	54,038.10	66,783.25	.....	12,745.15
Gull Lake.....	2,783.50	23,809.09	24,717.22	.....	908.13
Herbert.....	1,968.00	17,785.22	13,199.79	4,585.43	.....
Humboldt.....	11,080.00	110,013.14	101,814.58	8,198.56	.....
Ile a la Crosse.....	1,504.00	12,858.75	14,096.62	.....	1,237.87
Indian Head.....	4,438.50	33,429.34	35,200.06	.....	1,770.72
Kamsack.....	3,254.00	25,229.24	25,026.37	202.87	.....
Kelvington.....	2,789.00	20,608.01	22,177.11	.....	1,569.10
Kerrobert.....	3,082.00	23,270.23	26,608.34	.....	3,338.11
Kincaid.....	1,473.50	11,296.77	13,466.63	.....	2,169.86
Kindersley.....	4,744.00	39,403.89	37,491.09	1,912.80	.....
Kinistino.....	1,675.50	12,077.28	12,279.06	.....	201.78
Lampman.....	2,007.00	16,250.08	16,016.19	233.89	.....
Lashburn.....	3,330.00	22,126.93	24,952.29	.....	2,825.36
Leader.....	2,116.00	15,999.64	15,442.83	556.81	.....
Lestock.....	2,567.00	17,545.78	14,904.93	2,640.85	.....
Lloydminster.....	8,314.00	59,406.45	61,588.67	.....	2,182.22
Macklin.....	5,223.50	49,395.70	31,951.77	17,443.93	.....
Maple Creek.....	3,058.00	23,114.90	26,104.83	.....	2,989.93

Meadow Lake.....	3,368.00	20,233.30	19,947.06	286.24	....
Melfort.....	8,261.50	70,474.25	66,145.92	4,328.33	....
Melville.....	6,228.00	54,708.02	54,395.36	312.66	.....
Milden.....	1,893.00	12,725.96	14,820.53	....	2,094.57
Moose Jaw, General.....	23,802.00	170,423.10	183,768.54	....	13,345.44
Moose Jaw, Providence.....	13,583.00	123,946.31	103,625.53	20,320.78	....
Moosomin.....	3,104.00	25,136.14	15,946.38	9,189.76	....
Nipawin.....	13,474.50	59,257.78	47,657.22	11,600.56	....
Nokomis.....	1,233.50	10,807.48	11,051.52	....	244.04
North Battleford.....	12,842.00	110,207.30	105,375.79	4,831.51	....
Oxbow.....	1,811.50	14,214.12	12,889.79	1,324.33	....
Paradise Hill.....	2,374.00	15,869.69	13,619.39	2,250.30	....
Ponteix.....	2,353.00	22,285.23	21,410.74	874.49	....
Preeceville.....	2,383.00	16,760.56	13,710.16	3,050.40	....
Prince Albert, Holy Family.....	22,875.50	169,981.65	166,911.82	3,069.83	....
Prince Albert, Victoria.....	13,751.50	100,100.23	104,513.76	....	4,413.53
Rabbit Lake.....	1,914.00	9,667.46	11,251.45	....	1,583.99
Regina, General.....	48,352.50	698,986.97	690,555.29	8,431.68	....
Regina, Grey Nuns'.....	59,935.00	582,448.26	521,760.20	60,688.06	....
Rosetown.....	6,330.00	49,322.43	52,427.83	....	3,105.40
Rose Valley.....	2,431.00	17,019.67	15,736.54	1,283.13	....
Rosthern.....	1,332.00	9,311.06	9,164.89	146.17	....
Saskatoon, City.....	48,072.00	485,157.89	528,562.96	....	43,405.07
Saskatoon, St. Paul's.....	38,743.00	377,031.73	352,257.33	24,774.40	....
Scott.....	1,253.50	14,414.18	14,399.81	14.37	.....
Shaunavon.....	4,097.50	35,627.09	37,933.63	....	2,306.54
Smeaton.....	876.50	6,322.95	6,322.75	....	....
Swift Current.....	9,625.00	78,468.27	78,069.89	398.38	....
Tisdale.....	11,426.50	86,164.65	67,435.08	18,729.57	....
Unity.....	3,889.00	25,422.62	27,551.36	....	2,128.74
Wadena.....	10,961.50	67,409.47	65,494.55	1,914.92	....
Watrous.....	1,891.50	15,407.25	16,891.85	....	1,484.60
Weyburn.....	5,538.50	41,440.10	45,754.26	....	4,314.16
Whitewood.....	2,011.50	15,175.22	15,934.44	....	759.22
Wilkie.....	2,451.50	26,691.46	24,351.26	2,340.20	....
Yorkton.....	20,295.00	183,764.17	182,062.21	1,701.96	....
Red Cross Outposts.....	10,820.50	....	....	....	....
F.B. Sanatoria.....	279,976.00	....	....	....	....
Totals.....	\$837,968.00	\$4,898,805.00	\$4,790,239.18	....	....

H. TABLE VIII.—DETAILED STATEMENT OF REVENUE, 1945.

HOSPITALS	Day Rate Services	Special Services	Less: Rebates, Courtesy, Bad Debts and Doubtful	Net Earnings From Patients	Provincial Grants and Payments	Municipal Grants	Other Revenue	Total Revenue
Arcola.....	\$ 11,589.75	\$ 4,501.95	\$ 49.55	\$ 16,091.70	\$ 2,207.00	\$ 2,567.76	\$ 1,844.11	\$ 20,142.81
Assiniboia.....	12,585.50	1,709.12	1,364.45	14,245.07	2,407.50	4,500.00	110.35	19,330.68
Balcarres.....	11,767.05	4,103.85	.....	14,506.45	2,295.50	.....	189.35	21,491.30
Bengough.....	9,155.60	.....	4.50	9,155.60	1,642.00	.....	2.40	10,800.00
Bienfait.....	3,548.55	4,672.45	.....	8,216.50	1,166.50	.....	303.35	9,686.35
Biggar.....	17,881.50	6,284.28	1,913.38	22,252.40	3,701.00	.....	7,302.97	33,256.37
Birch Hills.....	7,130.25	4,789.45	679.14	11,240.56	1,645.50	1,620.00	297.85	14,803.91
Broadview.....	12,747.69	4,506.98	58.99	17,195.68	2,179.00	.....	1,177.24	20,551.92
Cabri.....	13,307.96	593.14	549.00	13,352.10	1,973.00	.....	919.39	16,244.49
Canora.....	44,699.20	12,492.80	145.43	57,046.57	9,327.00	500.00	137.75	67,011.32
Carrot River.....	3,054.77	653.00	.....	3,707.77	1,136.00	.....	496.08	5,339.85
Central Butte.....	4,716.41	.....	.....	4,716.41	780.00	1,050.00	55.00	6,601.41
Cudworth.....	11,411.75	7,197.85	885.95	17,723.65	2,952.00	200.00	7,676.50	28,552.15
Davidson.....	7,009.59	394.50	250.00	7,154.09	1,302.00	3,400.00	761.16	12,617.25
Doddsland.....	8,692.78	.....	.....	8,692.78	1,493.00	.....	352.65	10,538.43
Eatonia.....	6,863.52	464.37	.....	7,327.89	1,341.50	3,794.24	244.31	12,707.94
Edam.....	11,058.89	552.75	115.00	11,496.64	2,362.00	2,000.00	.....	15,858.64
Elrose.....	1,460.00	194.00	.....	1,654.00	826.50	360.00	221.00	3,061.50
Esterhazy.....	12,635.35	4,649.82	1,260.49	16,024.68	2,833.50	.....	1,839.81	20,697.99
Estevan.....	56,024.75	22,528.41	5,000.00	73,553.16	11,665.00	.....	7,340.00	92,558.16
Eston.....	23,331.75	4,384.08	.....	27,715.83	4,142.00	.....	390.00	32,247.83
Foam Lake.....	8,344.55	3,210.41	1,258.02	10,296.94	1,543.00	.....	3.60	11,843.54
Frontier.....	1,364.50	98.60	.....	1,463.10	341.50	.....	1,014.00	2,818.60
Gravelbourg.....	34,317.04	17,341.72	5,209.49	46,449.27	5,737.00	.....	1,851.83	54,038.10
Gull Lake.....	14,575.65	3,644.80	27.50	18,192.95	2,783.50	.....	2,832.64	23,809.09
Herbert.....	8,141.25	1,627.10	62.50	9,705.85	1,968.00	1,052.00	5,059.37	17,785.22
Humboldt.....	49,459.85	20,389.00	5,166.17	64,682.68	11,080.00	1,700.00	32,550.46	110,013.14
Ile a la Crosse.....	341.20	56.25	270.20	127.25	1,504.00	.....	11,227.50	12,858.75
Indian Head.....	22,158.70	5,688.61	.....	27,847.31	4,438.50	525.00	618.53	33,429.34
Kamsack.....	16,537.80	7,303.51	1,971.07	21,870.24	3,254.00	.....	105.00	25,229.24
Kelvington.....	11,830.00	3,324.21	1,132.87	14,021.34	2,789.00	.....	3,797.67	20,608.01
Kerrobert.....	18,277.05	1,891.18	.....	20,168.23	3,082.00	.....	20.00	23,270.23
Kincaid.....	7,352.42	1,425.55	.....	8,777.97	1,473.50	75.00	970.30	11,296.77
Kindersley.....	25,816.75	9,807.85	1,355.83	34,268.77	4,744.00	.....	391.12	39,403.89
Kinistino.....	6,862.74	2,203.92	.....	9,066.66	1,675.50	242.25	1,092.87	12,077.28
Lampman.....	9,092.00	3,144.52	356.44	12,592.96	2,007.00	1,587.62	62.50	16,250.08
Lashburn.....	15,208.20	2,655.58	306.85	17,556.93	3,330.00	.....	1,240.00	22,126.93
Leader.....	8,537.00	5,479.19	500.00	13,516.19	2,116.00	.....	367.45	15,999.64
Lestock.....	12,130.35	2,782.80	725.55	14,187.60	2,567.00	.....	791.18	17,545.78
Lloydminster.....	45,708.60	10,512.60	5,750.22	50,470.98	8,314.00	.....	621.47	59,406.45
Macklin.....	23,774.95	6,722.20	369.75	30,127.40	5,223.50	.....	14,044.80	49,395.70
Maple Creek.....	14,802.50	4,149.28	519.75	18,432.03	3,058.00	1,000.00	624.87	23,114.90
Meadow Lake.....	14,275.15	4,495.70	2,143.05	16,627.80	3,368.00	.....	237.50	20,233.30

Melfort.....	17,686.99	Dr.	286.69	60,569.99	8,261.50	.....	1,642.76	70,474.25
Melville.....	15,914.52		1,529.23	44,595.34	6,228.00	.....	3,884.68	54,708.02
Milden.....	1,909.16		.....	10,515.16	1,893.00	.....	317.80	12,725.96
Moose Jaw, General.....	38,167.84		20,136.24	146,621.10	23,802.00	.....	.....	170,423.10
Moose Jaw, Providence.....	.....		6,667.83	89,931.31	13,583.00	.....	20,432.00	123,946.31
Moosomin.....	6,110.90		444.70	19,596.95	3,104.00	.....	1,434.19	25,136.14
Nipawin.....	9,158.53		2,484.60	33,661.98	13,474.50	10,079.38	2,041.92	59,257.78
Nokomis.....	2,342.33		236.25	9,008.48	1,233.50	.....	565.50	10,807.48
North Battleford.....	36,419.13		19,547.93	92,007.70	12,842.00	2,000.00	3,357.60	110,207.30
Oxbow.....	.....		475.73	9,286.62	1,811.50	2,716.93	399.07	14,214.12
Paradise Hill.....	.....		9.00	13,014.24	2,374.00	.....	481.45	15,869.69
Ponteix.....	3,787.71		1,872.03	13,453.53	2,353.00	176.64	6,302.06	22,285.23
Preceville.....	1,972.51		.....	14,090.51	2,383.00	.....	287.05	16,760.56
Prince Albert, Holy Family.....	52,774.96		56,959.50	127,782.38	22,875.50	.....	19,323.77	169,981.65
Prince Albert, Victoria.....	28,529.20		16,826.61	84,878.49	13,751.50	.....	1,470.24	100,100.23
Rabbit Lake.....	839.44		315.50	7,527.31	1,914.00	.....	226.15	9,667.46
Regina, General.....	184,959.43		.....	579,740.89	48,352.50	.....	70,893.58	698,986.97
Regina, Grey Nuns.....	187,329.39		43,925.04	513,990.07	59,935.00	.....	8,523.19	582,448.26
Rosetown.....	9,107.12		.....	42,123.37	6,330.00	.....	869.06	49,322.43
Rose Valley.....	2,351.20		.....	13,350.72	2,431.00	1,175.65	62.30	17,019.67
Rosthern.....	760.40		81.80	6,109.80	1,332.00	.....	1,869.26	9,311.06
Saskatoon, City.....	201,967.55		91,088.10	426,951.55	48,072.00	.....	10,134.34	485,157.89
Saskatoon, St. Paul's.....	130,775.58		26,154.25	332,821.83	38,743.00	.....	5,466.90	377,031.73
Scott.....	1,212.94		.....	13,150.68	1,253.50	.....	10.00	14,414.18
Shaunavon.....	5,541.43		325.95	29,099.23	4,097.50	.....	2,430.36	35,627.09
Smeaton.....	442.95		.....	2,690.12	876.50	.....	2,756.33	6,322.95
Swift Current.....	13,602.18		871.56	68,679.17	9,625.00	.....	164.10	78,468.27
Tisdale.....	25,869.20		14,260.47	65,064.23	11,426.50	400.00	9,273.92	86,164.65
Unity.....	4,149.98		56.86	21,504.62	3,889.00	.....	29.00	25,427.62
Wadena.....	13,608.10		1,453.74	32,504.11	10,961.50	14,587.94	9,355.92	67,409.47
Watrous.....	1,445.00		318.88	13,515.75	1,891.50	.....	.....	15,407.25
Weyburn.....	6,756.61		2,538.35	35,868.51	5,538.50	.....	33.09	41,440.10
Whitewood.....	3,450.09		352.00	11,067.09	2,011.50	2,050.00	46.63	15,175.22
Wilkie.....	16,139.69		.....	16,139.69	2,451.50	7,199.67	900.60	26,691.46
Yorkton.....	49,774.73		2,854.82	163,290.25	20,295.00	.....	178.92	183,764.17
Totals.....	\$1,277,484.17		\$350,188.54	\$3,987,722.75	\$547,171.50	\$67,561.08	\$296,349.67	\$4,898,805.00
Percentage of Total Earnings.....				81.4	11.2	1.3	6.1	100

*—Dr. Less restored accounts previously written off.

H. TABLE IX.—DETAILED STATEMENT OF EXPENDITURE, 1945.

Hospitals	Salaries and wages	Supplies	Purchased Services	Insurance	Depreciation buildings and equipment	Repairs to buildings and equipment	Interest and exchange	Miscellaneous	Total expenditure
Arcola.....	\$ 8,204.97	\$ 6,891.26	\$ 941.59	\$ 100.19	\$ 689.53	\$ 285.45	\$ 607.47	\$ 222.75	\$ 17,943.21
Assiniboia.....	10,590.11	5,804.71	2,541.99	293.63	849.57	1,428.54	1,391.44	304.09	23,204.08
Balcarres.....	9,962.32	5,756.56	1,247.92	30.00	702.42	526.04	512.61	15.00	18,752.87
Bengough.....	5,310.40	4,219.06	342.85	.....	323.20	697.29	1.95	710.62	11,605.37
Bienfait.....	6,308.56	3,403.32	787.59	140.91	494.73	160.87	.....	144.41	11,440.39
Biggar.....	17,575.80	9,889.11	1,736.21	362.15	7,551.65	562.42	2,333.19	46.55	40,057.08
Birch Hills.....	7,359.54	3,726.67	856.12	49.98	1,333.52	90.29	7.43	671.06	14,094.61
Broadview.....	9,302.95	6,663.69	896.61	163.72	1,582.79	693.26	1,074.04	359.44	20,736.50
Cabri.....	9,459.97	5,925.35	1,999.98	249.32	1,552.30	1,121.31	458.98	105.08	20,872.29
Canora.....	29,554.82	24,829.08	3,110.63	345.92	901.68	642.96	71.51	2,492.10	61,948.70
Carrot River.....	2,664.80	2,880.72	416.96	.....	131.95	.....	.....	.....	6,094.43
Central Butte.....	3,656.17	3,505.68	185.05	45.25	.....	31.06	17.61	.....	7,440.82
Cudworth.....	9,373.51	7,966.07	1,262.06	232.77	2,574.85	1,514.42	159.53	130.21	23,213.42
Davidson.....	6,788.38	4,674.00	911.44	150.03	650.00	1,401.50	.....	1,668.56	16,243.91
Doddsland.....	5,700.04	4,830.01	690.84	149.50	301.41	.....	.....	906.21	12,578.01
Eatonia.....	7,315.30	4,055.59	1,709.41	72.58	.....	591.45	6.65	15.00	13,765.98
Edam.....	9,171.65	5,998.43	585.63	121.20	.....	807.12	16.45	54.10	16,754.58
Elrose.....	1,870.00	652.42	148.00	.....	361.86	213.71	.....	.....	3,245.99
Esterhazy.....	9,403.95	4,851.41	694.56	51.42	1,245.52	331.21	1,826.51	119.19	18,523.77
Estevan.....	30,444.30	35,533.25	2,786.53	416.06	5,392.46	2,228.59	1,495.72	1,654.92	79,951.83
Fston.....	15,504.18	9,538.40	2,478.55	439.50	.....	2,710.72	328.30	2,148.67	33,148.32
Foam Lake.....	5,771.72	4,972.75	1,039.03	150.88	.....	28.15	4.48	.....	11,967.01
Frontier.....	1,732.00	1,116.24	202.55	76.50	.....	.....	.....	.....	3,127.29
Gravelbourg.....	30,804.34	15,756.96	4,325.46	345.60	6,475.10	2,557.79	5,496.06	1,021.94	66,783.25
Gull Lake.....	9,766.09	8,124.74	1,541.73	219.32	1,000.00	1,068.81	2,598.25	398.28	24,717.22
Herbert.....	6,884.05	4,831.17	981.31	126.50	.....	261.10	21.84	93.82	13,199.79
Humboldt.....	29,890.02	42,297.57	3,760.65	807.18	10,966.15	7,425.08	5,170.03	1,497.90	101,814.58
Ile a la Crosse.....	6,366.00	6,694.72	675.65	160.00	142.75	.....	.....	57.50	14,096.62
Indian Head.....	14,572.14	13,316.80	1,855.66	175.92	2,967.81	1,975.87	20.38	315.48	35,200.06
Kamsack.....	11,198.47	9,486.03	1,701.54	133.25	1,434.25	623.74	27.90	421.19	25,026.37
Kelvington.....	8,673.76	7,295.10	1,801.11	187.27	.....	579.71	659.80	2,980.36	22,177.11
Kerrobert.....	11,195.75	9,038.95	2,888.76	197.22	.....	3,158.41	95.25	34.00	26,608.34
Kincaid.....	6,978.80	4,888.14	710.15	.....	200.00	255.15	20.39	414.00	13,466.63
Kindersley.....	19,325.90	12,677.36	4,022.42	376.38	1,025.64	.....	26.76	36.63	37,491.09
Kinistino.....	6,106.19	3,552.62	806.51	35.44	.....	1,564.83	.....	213.47	12,279.06
Lampman.....	8,196.45	6,269.99	1,097.76	78.02	.....	373.42	.55	.....	16,016.19
Lashburn.....	11,995.18	6,703.22	1,534.31	193.45	2,032.21	711.52	.....	1,782.40	24,952.29
Leader.....	6,604.97	7,430.90	511.26	28.03	233.44	324.17	5.47	304.59	15,442.83
Lestock.....	6,121.92	6,565.43	641.17	52.25	738.44	400.25	.30	385.17	14,904.93
Lloydminster.....	31,523.57	21,749.78	3,208.50	472.32	2,929.23	1,575.27	.....	130.00	61,588.67
Macklin.....	16,826.34	9,201.98	1,460.52	107.00	.....	2,049.24	1,912.38	394.31	31,951.77

Maple Creek.....	12,296.00	10,815.20	1,199.87	166.43	496.00	724.38	370.76	36.19	26,104.83
Meadow Lake.....	9,077.94	8,138.81	786.29	99.00	1,160.00	387.62	101.70	195.70	19,947.06
Melfort.....	30,111.71	26,421.74	3,522.81	340.19	3,073.07	1,430.18	1,250.37	265.85	66,145.92
Melville.....	22,659.57	17,724.76	2,677.73	320.18	6,084.14	1,291.94	3,157.75	479.29	54,395.36
Milden.....	6,245.10	4,676.34	1,229.18	81.85	1,412.25	1,164.08	11.73	.....	14,820.53
Moose Jaw, General.....	69,926.19	96,419.23	8,016.82	866.26	.....	7,951.30	.....	588.74	183,768.54
Moose Jaw, Providence.....	40,562.74	43,869.57	4,989.86	202.60	5,804.50	3,180.03	3,066.39	1,949.84	103,625.53
Moosomin.....	8,464.89	4,752.43	749.00	92.97	891.05	964.34	8.60	23.10	15,946.38
Nipawin.....	19,188.99	17,855.21	2,630.48	190.24	5,552.83	1,019.79	1,029.43	190.25	47,657.22
Nokomis.....	5,239.25	3,711.88	845.79	43.40	6,784.33	1,179.04	1.58	30.58	11,051.52
North Battleford.....	48,025.37	35,387.17	7,532.66	630.01	632.50	3,298.79	211.36	3,506.10	105,375.79
Oxbow.....	6,183.23	4,851.10	1,168.14	53.57	632.50	.....	1.25	.....	12,889.79
Paradise Hill.....	5,472.77	6,218.03	441.76	86.00	1,100.00	295.83	.....	5.00	13,619.39
Ponteix.....	8,638.74	5,890.28	1,080.43	79.33	1,992.04	1,709.99	340.34	1,679.59	21,410.74
Preeceville.....	6,786.00	4,982.07	1,024.08	40.00	700.00	143.86	34.15	.....	13,710.16
Prince Albert, Holy Family.....	69,182.75	58,173.00	10,245.54	493.02	21,678.25	4,460.64	14.69	2,663.93	166,911.82
Prince Albert, Victoria.....	43,730.18	41,585.56	8,804.59	868.69	.....	8,460.38	40.81	1,023.55	104,513.76
Rabbit Lake.....	5,851.94	3,897.58	493.89	50.00	416.72	.....	7.17	534.15	11,251.45
Regina, General.....	366,807.54	271,684.60	28,033.86	.....	10,984.82	3,840.21	.....	9,204.26	690,555.29
Regina, Grey Nuns'.....	266,845.98	180,863.97	22,593.54	2,838.41	33,055.36	7,327.29	4,465.79	3,769.86	521,760.20
Rosetown.....	27,071.40	20,336.37	2,769.32	430.15	.....	1,381.00	342.01	97.58	52,427.83
Rose Valley.....	7,548.00	5,208.73	1,140.17	88.87	1,156.06	116.91	65.10	412.70	15,736.54
Rosthern.....	4,873.75	3,344.74	600.76	17.60	.....	.....	.....	328.04	9,164.89
Saskatoon, City.....	215,743.07	190,955.21	37,964.29	1,337.65	12,191.00	9,013.61	53,790.56	7,567.57	528,562.96
Saskatoon, St. Paul's.....	156,978.17	127,523.13	14,430.71	2,019.57	27,997.27	8,974.53	9,970.15	4,363.80	352,257.33
Scott.....	7,798.41	5,571.35	582.40	94.59	46.00	307.06	.....	.....	14,399.81
Shaunavon.....	16,616.80	16,168.41	1,110.24	196.21	1,328.01	1,202.90	66.51	1,244.55	37,933.63
Smeaton.....	3,815.01	2,181.75	211.26	.....	.....	97.40	.....	17.33	6,322.75
Swift Current.....	56,834.08	29,719.52	8,000.71	352.83	3,038.39	.....	5.96	118.40	78,069.89
Tisdale.....	30,374.00	29,969.31	3,424.73	371.63	.....	956.63	2,128.00	210.78	67,435.08
Unity.....	11,088.56	10,464.83	1,776.18	310.10	.....	2,005.32	49.02	1,857.35	27,551.36
Wadena.....	24,501.83	22,071.13	2,791.04	395.02	4,359.58	1,597.29	1,434.15	8,344.51	65,494.55
Watrous.....	7,452.07	6,151.98	1,331.95	47.80	768.52	727.29	6.06	406.18	16,891.85
Weyburn.....	25,731.90	15,082.32	2,137.20	478.54	.....	2,017.94	.....	306.36	45,754.26
Whitewood.....	7,311.75	5,852.27	1,437.40	86.30	655.80	513.20	63.12	14.60	15,934.44
Wilkie.....	11,459.69	9,868.58	1,223.72	329.06	1,132.25	318.84	19.12	.....	24,351.26
Yorkton.....	72,851.43	79,860.66	10,200.21	1,615.00	8,572.97	8,276.44	84.96	600.54	182,062.21
TOTALS.....	\$2,185,402.18	\$1,791,814.06	\$260,025.18	\$23,049.73	\$219,848.17	\$127,306.77	\$108,507.82	\$74,285.27	\$4,790,239.18
Percentage of total expenditures.....	45.6	37.5	5.4	.4	4.6	2.7	2.3	1.5	100.00

FOOTNOTE:

SUPPLIES—Include Housekeeping, Linen, Laundry, Medical, Dietary, Printing, Stationery, Fuel and Heating.
PURCHASED SERVICES—include Water, Ice, Light, Power, Gas, Telephone, Telegraph, Freight, Express, Auditing, Legal and Collection Fees.

H. TABLE X.—COMPARATIVE STATEMENT OF TOTALS OF VARIOUS ITEMS COVERING A TEN YEAR PERIOD.

	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945
Population.....	931,000	939,000	949,000	941,000	930,000	896,000	906,000	842,000	846,000	845,000
No. of Hospitals excluding Sanatoria	80	85	87	89	89	90	91	87	86	86
Total Bed Complement, including cribs.....	3,389	3,527	3,577	3,539	3,589	3,686	3,778	3,848	3,877	4,170
No. of Hospital Beds per 1,000 population.....	4.4	4.5	4.6	4.5	4.7	5.0	4.1	4.5	4.5	4.9
No. of Patients Treated exclusive of Newborn and Sanatoria.....										
No. of Newborn.....	64,001	68,712	70,655	70,169	75,842	77,983	81,520	87,033	96,465	105,318
Percentage of Population Admitted.....	6,978	7,958	8,251	8,987	10,166	10,575	11,164	12,296	13,308	14,287
Total Hospital Days, including newborn.....	6.8	7.3	7.5	7.3	8.1	8.7	8.9	10.3	11.4	12.5
Average Stay in Hospital—Adults.....	842,104	909,091	923,852	869,069	893,263	911,341	938,551	1,005,018	1,081,454	1,181,399
Average Stay in Hospital—Newborn.....	11.9	11.9	11.7	11.1	9.6	9.5	10.1	8.7	9.9	9.9
No. of Surgical Patients.....	....	....	....	9.9	9.7	9.6	9.9	9.5	9.5	9.5
Percentage of Surgical Patients of total Admissions.....	30,562	32,019	45,530	26,850	30,811	31,864	32,647	34,964	40,595	43,843
No. of Maternity Patients Admitted.....	38.9	38.0	52.3	38.2	40.6	40.0	40.0	40.1	42.0	41.6
Percentage of Maternity Patients of total admissions.....	7,141	7,999	8,437	8,879	10,139	10,449	11,274	12,612	13,058	13,933
Average Bed Occupancy.....	11.1	11.5	11.9	12.6	13.4	13.4	13.8	13.8	13.5	16.5
Average Cared for in Hospital Daily: Adults and Children.....	74.9	76.4	76.9	58.5	65.0	69.0	68.0	75.0	82.3	83.5
Newborn.....	3,080	3,245	3,317	2,381	2,177	2,220	2,268	2,417	2,615	2,865
	....	....	....	....	271	277	303	336	347	372

H. TABLE XI.—COMPARATIVE FINANCIAL STATEMENT COVERING A TEN YEAR PERIOD.

	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945
Provincial Grants less Sanatoria.....	\$ 414,945.00									
Revenues.....	2,806,572.40	\$ 448,850.00	\$ 455,541.00	\$ 427,497.50	\$ 442,747.50	\$ 429,838.00	\$ 458,825.00	\$ 492,622.50	\$ 510,174.00	\$ 557,992.00
Gross Expenditures.....	2,228,970.51	2,952,330.35	3,091,643.69	2,684,653.45	2,778,451.09	3,002,883.99	3,419,555.82	3,730,408.24	4,250,463.87	4,898,805.00
Salaries.....	744,219.93	2,381,032.37	2,476,068.18	2,671,853.87	2,867,897.70	3,053,281.85	3,408,717.38	3,702,517.29	4,282,863.83	4,790,239.18
Net Operating Costs.....	1,972,044.28	790,161.68	865,380.02	997,964.64	1,107,296.20	1,156,690.84	1,384,908.88	1,581,305.60	1,843,440.54	2,185,402.18
Gross Cost per Patient.....	2.65	2,070,056.91	2,149,294.68	2,317,754.28	2,551,405.40	2,591,643.50	2,921,735.96	3,238,489.14	3,699,825.45	4,334,576.42
Net Cost per Patient.....	2.36	2.62	2.68	2.95	3.30	3.45	3.70	3.73	4.01	4.10
		2.35	2.37	2.66	2.93	2.93	3.17	3.26	3.47	3.71

REPORT OF THE TUBERCULOSIS SANATORIA
Operated by the Saskatchewan Anti-Tuberculosis League
 for the year ended December 31, 1945

SCHEDULE 1.—BED COMPLEMENT AND MOVEMENT OF POPULATION

	Fort San	Saska- toon	Prince Albert	Total
<i>Bed Complement</i>				
Infirmary beds.....	290	175	260	725
Pavilion beds.....	69	—	9	78
Total bed complement.....	359	175	269	803
<i>Movement of Patients:</i>				
Patients in Sanatoria, January 1, 1945	303	207	236	746
Admissions during the year.....	385	183	235	803
Transfers from other Sanatoria.....	30	46	33	109
Total under care during year.....	718	436	504	1,658
Discharges during year.....	277	195	209	681
Deaths during year.....	31	21	41	93
Transfers to other Sanatoria.....	51	36	22	109
Patients in Sanatoria, Dec. 31, 1945.....	359	184	232	775
Average number of patients daily.....	322.2	198.9	245.9	767
Collective days' stay of patients.....	117,613	72,601	89,762	279,976

This statement includes surplus tuberculous patients cared for in General Hospitals at the expense of the Saskatchewan Anti-Tuberculosis League.

The average length of treatment for active tuberculous cases was 13.79 months.

SCHEDULE 2.—SANATORIA STAFF

	Fort San	Saska- toon	Prince Albert	Total
Administrative and clerical.....	16	5	4	25
Salaried doctors, full time.....	7	5	4	16
Interne (medical student).....	—	—	1	1
Graduate nurses.....	21	21	12	54
Affiliate Nurses.....	12	—	—	12
Nurses' Assistants.....	23	22	37	82
Graduate Dietitians.....	2	1	1	4
Orderlies	23	13	17	53
Instructors, academic.....	2	1	1	4
Technicians, X-ray.....	3	3	4	10
Technicians, laboratory.....	4	2	1	7
All other employees.....	81	43	47	171
Total employees.....	194	116	129	439

SCHEDULE 3.—SURGICAL, RADIOLOGICAL AND LABORATORY SERVICES

	Fort San	Saska- toon	Prince Albert	Total
Surgical operations:				
Major	68	457	53	578
Minor	482	347	62	891
Pneumothorax treatments.....	6,108	2,388	2,061	10,557
Laboratory examinations.....	19,925	11,813	7,559	39,297
X-ray examinations in Sanatoria.....	5,014	6,887	3,839	15,740
Fluorographic examinations.....	71,244	16,707	52,476	140,427
Kahn tests.....	615	176	555	1,346
Wassermann tests.....	11	6	58	75
Autopsies performed.....	9	2	2	13

SCHEDULE 4.—PREVENTIVE SERVICES

	Fort San	Saska- toon	Prince Albert	Total
<i>Clinics conducted within Sanatoria:</i>				
Diagnoses	510	1,317	389	2,216
Reviews	730	1,681	663	3,074
Pneumothorax and special treatments	1,536	1,104	330	2,970
<i>Clinics in Outside Hospitals:</i>				
Diagnoses and reviews.....	2,381	27	319	2,727
Pneumothorax treatments.....	1,327	—	20	1,347
X-ray examinations.....	3,276	566	96	3,938
<i>Travelling Clinics:</i>				
Persons examined.....	581	91	—	672
X-ray examinations.....	581	91	—	672
<i>Fluorographic Surveys:</i>				
Persons examined.....	71,244	16,707	52,476	140,427

SCHEDULE 5.—SUMMARY OF ALL PERSONS SEEN WITH ACTIVE TUBERCULOSIS
IN 1945

	Pulmonary	Non- Pulmonary	Total
<i>New Cases:</i>			
Admitted to Sanatoria.....	428	38	466
Not Admitted.....	134	16	150
Total	562	54	616
<i>Old Cases:</i>			
Readmissions	113	31	144
First Admissions.....	22	1	23
Total	135	32	167
Total active Tuberculosis cases.....	697	86	783

SCHEDULE 6.—SUMMARY OF OPERATING COSTS 1945

	Total	Fort San	Saskatoon	Pr. Albert
Administration	\$ 41,627.81	\$ 16,674.05	\$ 10,867.46	\$ 14,086.30
Interest and discounts.....	2,087.22	934.95	283.77	868.50
Hospital	293,346.07	117,294.80	87,637.14	88,414.13
Dispensary	11,732.64	5,982.27	4,036.55	1,713.82
Laboratory	12,068.00	5,306.00	4,682.83	2,079.17
X-ray	16,302.87	4,809.07	6,537.77	4,956.03
Kitchen	217,730.93	89,646.48	64,631.86	63,452.59
Stewards	7,744.08	2,700.38	3,222.50	1,821.20
Housing	29,724.25	11,594.48	7,642.73	10,487.03
Maintenance of buildings.....	17,207.91	7,572.65	5,676.39	3,958.87
Power house.....	136,763.40	58,309.10	33,572.93	44,881.37
Laundry	26,982.47	11,802.73	6,998.95	8,180.79
Grounds	9,625.87	2,631.96	2,248.89	4,745.02
Garage	4,796.76	2,475.37	523.58	1,797.81
Stable	1,381.92	1,381.92	—	—
Red Cross Lodge.....	791.50	791.50	—	—
School grants.....	2,467.75	1,231.75	777.00	459.00
Staff insurance (<i>cr.</i>).....	284.79	119.61	68.35	96.83
Replacements — under Sec. 12 Sanatoria Act.....	10,000.00	4,200.00	2,400.00	3,400.00
Patients in other hospitals	50,624.76	41,430.51	7,298.10	1,896.15
Pneumothorax in other hospitals	2,257.50	2,257.50	—	—
Superannuation fund.....	10,000.00	4,200.00	2,400.00	3,400.00
Workmen's Compensation fund	2,000.00	840.00	480.00	680.00
	\$906,978.91	\$393,947.86	\$251,850.10	\$261,180.95
Less: Canteen Net Profit (<i>cr.</i>).....	2,661.26	2,661.26	—	—
Operating Expenditure.....	\$904,317.65	\$391,286.60	\$251,850.10	\$261,180.95
Number of patient days.....	279,976	117,613	72,601	89,762
Cost per patient per day for period.....	\$3.230	\$3.326	\$3.468	\$2.909

SCHEDULE 7.—SUMMARY OF REVENUE FOR 1945

	Total	Fort San	Saskatoon	Pr. Albert
Patient's fees.....	\$179,813.95	\$ 71,308.00	\$ 32,814.15	\$ 75,691.80
Government grants.....	279,976.00	117,613.00	72,601.00	89,762.00
	\$459,789.95	\$188,921.00	\$105,415.15	\$165,453.80
1944 Under-expenditure brought forward.....			\$ 1,018.85	
Municipal Levy 1945.....			419,724.41	
Patients' Fees.....			179,813.95	
Government Grants Earned.....			279,976.00	
			\$880,533.21	
Expenditures—1945			904,317.64	
Over Expenditure—December 31, 1945.....			\$ 23,784.43	

MEDICAL STAFFS—SASKATCHEWAN ANTI-TUBERCULOSIS LEAGUE

Fort San:

DR. T. W. HAMILTON (Medical Superintendent)
DR. JOHN ORR
DR. C. O. BANTING
DR. JOHN GROSS
DR. L. H. WETTLAUER
DR. R. M. BOULVA
DR. C. F. BENNETT

Saskatoon:

DR. H. C. BOUGHTON (Medical Superintendent)
DR. G. H. HAMES
DR. H. J. ANDERSON
DR. THOMAS HO
DR. I. C. MOLONY

Prince Albert:

DR. R. W. KIRKBY (Medical Superintendent)
DR. W. A. ALLEN
DR. H. B. JENNER
DR. W. M. S. LAUDER

Fort San:

DR. R. G. FERGUSON (Director of Medical Services and General Superintendent of The Saskatchewan Anti-Tuberculosis League).

Mental Hygiene

Office of the Commissioner of Mental Hygiene

During the year 1945 we were able to establish an ambulance service for the transportation of mental patients to our institutions. Under the care of trained nurses and attendants this service was carried out, and the necessity of having mental patients travel under escort by public conveyance was avoided.

During the past year two conferences were held at which the administrative, medical, business and nursing personnel of the three institutions attended. Much good appeared to result from these conferences which were held in order to develop some uniformity in the administration of the three institutions and to clarify many of the problems existing in connection with the care of mental patients.

Dr. J. W. MacNeill retired as Superintendent of the Saskatchewan Mental Hospital, North Battleford, on June 1st, 1945, and one month later passed away suddenly after an operative procedure.

Subsequent to the retirement of Dr. MacNeill, Dr. G. F. Nelson, former clinical director at the Saskatchewan Mental Hospital, Weyburn, was appointed as Superintendent of the North Battleford Institution, effective June 1st, 1945.

On the appointment of Dr. Nelson to the Battleford Mental Hospital staff, Dr. A. R. Coulter, who had been serving in the armed forces, returned to duty and was appointed clinical director at the Weyburn Mental Hospital.

The Saskatchewan School for Mental Defectives was opened in November, 1945. It is located at the former airport 4½ miles northeast of the City of Weyburn.

When Dr. R. O. Davison was appointed as Superintendent of the Saskatchewan School for Mental Defectives in November, 1945, the office of the Commissioner of Mental Services was moved to Weyburn in order that Dr. Davison could discharge the duties of Commissioner of Mental Services and also those of the Superintendent of the School.

Dr. E. D. Winchell, formerly of the Weyburn Mental Hospital staff, was appointed as clinical director of the new School for Mental Defectives, in January, 1946.

One of the many difficulties facing us has been the obtaining of adequately trained personnel, both medical and nursing, although every effort has been made to secure such. It is hoped that in the very near future more trained personnel will be available, which will ease the load at present being carried by our mental hospital staffs in providing adequate care for our patients.

October 1st, 1946.

R. O. DAVISON, M.D.,
Commissioner of Mental Services.

Psychopathic Department, Regina General Hospital

September 30th, 1946.

DR. R. O. DAVISON,
*Commissioner of Mental Services,
School for Mental Defectives,
Weyburn, Sask.*

DEAR DR. DAVISON:

Re: Psychopathic Report—1945.

Herewith I am submitting the report on the work carried out in the Psychopathic Ward for the year ending December 31st, 1945.

The total number of patients treated was 275. Of that number there were 23 patients in Hospital on the first day of January, 1945, and the other 252 were new admissions. The total number of Hospital days was 7,916, and the average length of stay per patient was 28.7.

Of the total number of patients dealt with there were 197 who returned to their homes improved. There were 5 patients who had not improved, but were allowed to return home in the care of relatives or friends. Two patients remained over on their way to the Weyburn Mental Hospital. There were 10 patients who were admitted for observation and diagnosis only. Four patients were transferred to General Hospitals for further treatment for physical conditions after the completion of their treatment in the Psychopathic Ward. Twenty-eight patients were transferred to the Mental Hospital, as their treatment here had not improved them to a point where they were well enough to be discharged. During the year there were 9 deaths. At the end of the year there were 20 patients remaining in Hospital.

There has been no great change in treatment during the past year. We have continued to use shock treatment in its various forms, also hydrotherapy and baths, and these have continued to serve very satisfactorily.

I have the honour to be, Sir,

Your obedient servant,

O. E. ROTHWELL,
*Director,
Psychopathic Department.*

SCHEDULE NO. 1—DISPOSITION OF PATIENTS.

Patients in Hospital, January 1, 1945.....	22
Patients admitted during year.....	253
Total cases dealt with during the year.....	275

Discharges

Improved.....	197
Unimproved.....	5
In for safe-keeping only.....	2
In for observation and diagnosis only.....	10
Escaped.....	.....
Transferred to General Hospitals.....	4
Transferred to Mental Hospitals.....	28
Died in Psychopathic Ward.....	9
Patients in Hospital, December 31st, 1945.....	20
	275

SCHEDULE NO. 2—DEATHS

No.	Age	Sex	Cause of Death	Predisposition
*2,870	54	F	Glioblastoma multiforme and Cerebral Oedema.....	Psychosis with Brain Tumor.
*2,893	82	M	Hypostatic Bronchopneumonia	Senile Psychosis.
*2,896	15	F	Septic Bronchopneumonia.	Psychosis with Mental De- ficiency.
2,985	40	M	Pneumonia and Cardiac Fail- ure.	Alcoholic Psychosis.
*3,033	69	M	Coronary Thrombosis.	Without Psychosis.
*3,032	43	M	Myocardial Degeneration.	Without Psychosis.
*3,106	59	M	Hypostatic Bronchopneumonia	Psychosis with Drug Addic- tion.
3,103	56	F	Bronchopneumonia	Involution Melancholia.
*3,100	75	M	Cerebral Thrombosis and Hy- postatic Bronchopneu- monia.	Without Psychosis—Cerebral Thrombosis.

(* indicates that autopsies were done)

SCHEDULE NO. 3—AGES OF PATIENTS

1-14 years:	15-34 years:	35-54 years:	From 55 years on:
	3.....15 years	5.....35 years	2.....55 years
	4.....16 years	4.....36 years	2.....56 years
	0.....17 years	5.....37 years	2.....57 years
	4.....18 years	7.....38 years	2.....58 years
	7.....19 years	1.....39 years	5.....59 years
	1.....20 years	6.....40 years	5.....60 years
	10.....21 years	0.....41 years	3.....61 years
	8.....22 years	6.....42 years	3.....62 years
	8.....23 years	3.....43 years	1.....63 years
	12.....24 years	2.....44 years	2.....64 years
	11.....25 years	1.....45 years	3.....65 years
	7.....26 years	7.....46 years	2.....66 years
	5.....27 years	2.....47 years	2.....67 years
	9.....28 years	2.....48 years	3.....68 years
	3.....29 years	5.....49 years	4.....69 years
	7.....30 years	2.....50 years	1.....70 years
	7.....31 years	2.....51 years	1.....71 years
	8.....32 years	3.....52 years	2.....72 years
	3.....33 years	6.....53 years	2.....73 years
	6.....34 years	7.....54 years	1.....74 years
			2.....75 years
			1.....76 years
			1.....82 years
			1.....84 years
0	123	76	53

SCHEDULE NO. 4—CLASSIFICATION OF MENTAL DISEASES:

	M	F
1. Traumatic Psychoses.....	3	..
2. Senile Psychoses.....	6	4
3. Psychoses with Cerebral Arteriosclerosis.....	1	..
4. General Paresis.....	1	1
5. Psychoses with Cerebral Syphilis.....	1	..
6. Psychoses with Huntingdon's Chorea.....	..	..
7. Psychoses with Brain Tumor.....	1	1
8. Psychoses with Brain or Nervous Disease.....	..	..
9. Alcoholic Psychoses.....	1	..
10. Psychoses due to Drugs or other Exogenous Toxins.....	1	..
11. Psychoses with Pellagra.....	..	..
12. Psychoses with other Somatic Disease.....	..	1
13. Manic-Depressive Psychoses—		
(a) Manic.....	6	10
(b) Depressive.....	4	7
(c) Other Types.....	..	..
14. Involution Melancholia.....	1	19
15. Dementia Praecox and Schizophrenia.....	43	56
16. Paranoia and Paranoid Conditions.....	..	..
17. Epileptic Psychoses.....	..	1
18. Psychoneuroses and Neuroses—		
(a) Hysteria.....	1	4
(b) Psychasthenia.....	17	12
(c) Neurasthenia.....	..	..
(d) Other types.....	3	11
19. Psychoses with Psychopathic Personality.....	5	..
20. Psychoses with Mental Deficiency	3	2
21. Undiagnosed Psychoses.....	1	1
22. Without Psychosis.....	20	3
	119	133
	252	

SCHEDULE NO. 5

Month	Admissions		Re-admis- sions		Discharges		Transfers		Deaths	
	M	F	M	F	M	F	M	F	M	F
January.....	7	9	1	1	10	7	2	1	..	1
February.....	12	12	3	1	8	10	1	..	..	..
March.....	13	5	..	2	9	8	1	1	1	1
April.....	13	12	2	2	10	8	2	1	..	..
May.....	6	13	2	2	10	13	..	1	..	..
June.....	11	11	1	1	8	8	1	1	1	..
July.....	11	11	..	1	8	8	2	2	..	..
August.....	14	10	..	2	10	11	1	2	..	..
September....	6	10	..	1	9	6	..	1	2	..
October.....	9	13	..	3	9	9	..	3	..	..
November....	10	11	4	5	10	11	..	2	..	..
December....	7	16	..	4	7	11	1	2	2	1
	119	133	13	24	108	110	11	17	6	3

The Mental Hospital, North Battleford

NORTH BATTLEFORD, SASK., *July 19th, 1946.*

R. O. DAVISON, ESQ., M.D.,
Commissioner of Mental Services,
Weyburn, Sask.

Sir:

I have the honour to submit to you the 32nd Annual Report of the Saskatchewan Mental Hospital at North Battleford for the years ending December 31st, 1945, and April 30th, 1946, respectively.

The number of patients on our Register on January 1st, 1945, was 1,687. Of these, 1,083 were men and 604 women. During the year, 397 patients were admitted—298 being first admissions and 99 re-admissions. Two hundred and sixty-three (263) patients were paroled. The percentage of paroles of admissions was 66.24—this being the highest percentage in the history of the Hospital. The total number of patients on our Register as at December 31st, 1945, was 1,715, this being an increase in population during the year of twenty-eight (28). Forty one per cent. of the total admissions were over 50 years of age, and 71 per cent. of those who died, were over 60 years of age.

The Agreement between the Government and the United Civil Servants of Canada, Local No. 3 was introduced on August 1st, 1945, and is working very satisfactorily. In September, the eight hour day for Ward employees was brought into effect, and was in full operation before the end of November, by which time sufficient personnel had become available.

During the latter months of the year most of the employees who had been absent on Military Service returned to duty, and their return was welcomed as it signified that the War had ended, and because of the work of the Hospital, which greatly needed this trained personnel.

During the year several changes took place in the Medical Service. Dr. J. W. MacNeill retired on Superannuation in March, after having been Superintendent from the opening of the Hospital in 1914. Dr. Leo Grier died suddenly in September, while at Weyburn on special duty. Dr. Robert Weil returned to duty on May 1st, after an absence of one year. Dr. P. E. Ayotte came on the staff on September 1st, and Dr. Helena Hellerova was appointed in October.

In August, the nucleus of a Social Service Department was formed, and is functioning efficiently. It is hoped that this Department can be enlarged in the near future.

On September 1st, a full-time Dentist was secured, and since December 1st, Dr. J. T. Cairns has been in charge and is developing the Department very satisfactorily.

During the Fall the regular annual Tuberculosis Survey was made, and no new cases were found amongst the patient population, nor the staff personnel.

The Clinical Laboratory performed a good deal of valuable work as is shown in its report.

Hospital Requirements—

The hospital continues to be over-crowded and it is hoped that this condition will be remedied as soon as possible.

An Infirmary building designed to house those who are physically acutely ill amongst the patient population and staff should be built. This building should also have wards to accommodate the tuberculous.

A Receiving Unit is also needed and these buildings would relieve to a considerable extent the present over-crowding.

A new modern Nurses' Residence is required. The present Nurses' home is inadequate and is not fireproof, and the quarters provided for Nurses in the Apartment block are unsatisfactory.

More cottages for married personnel are necessary.

The office space in the administrative part of the hospital is insufficient and more space is urgently needed.

Another dairy barn is needed to house our growing herd. This would allow us to increase the number of our milk cows and enable the farm to provide an ample supply of milk for the institution.

There is not sufficient space in our root cellars to store vegetables and another cellar should be provided.

A cannery would enable us to can a large quantity of vegetables and fruits from the gardens and orchards, much of which at the present time cannot be used to the best advantage.

During the Fall of 1945 the landscaping of the grounds around the hospital building at the irrigation farm was commenced and this will be completed as soon as possible. A road was also planned to follow along the river banks bordering the farm to serve both as a highway and as a dyke to prevent flooding of the crops when the rivers are in flood.

In conclusion I wish to extend to you, Sir, my thanks for your advice and support throughout the year.

To the hospital personnel I wish to express my gratitude for loyalty and for efficiency in their respective positions.

I have the honour to remain,

Your obedient servant,

G. F. NELSON,

Medical Superintendent.

OCCUPATIONAL THERAPY—MEN—(Toy Shop)

Boat.....	1	Pr. placques.....	1
Bed Table.....	1	Rocking horses.....	28
Book Ends.....	8	Rocking chairs (childs).....	6
Cradle.....	1	Rugs.....	16
Cribbage boards.....	7	Sox' stretchers.....	6
China cabinet.....	1	Shoe racks.....	5
Commode chairs.....	6	Shu fly rockers.....	3
Cigarette rollers.....	10	Table lamps.....	6
Cedar chest.....	1	Towel racks.....	12
Chair frame.....	1	Tea trays.....	4
Childs' chairs.....	37	Wall shelf.....	1
Corner brackets.....	10	Wheel barrows.....	13
Chair and ladder (comb.).....	2	Repairs:	
Coffee tables.....	3	Brushes (Tailor shop).....	6
Clothes racks (large).....	10	Bed castors.....	24
Clothes racks (small).....	10	Barber chair.....	1
Doll swings.....	5	Coat hanger stand.....	1
Dressing table (sets).....	2	Clocks.....	4
Desk carved.....	1	Chesterfield frames.....	4
Doll beds.....	7	Chair frames.....	10
Duck wagon.....	1	Coffee table.....	1
End tables carved.....	2	Duty boards.....	3
Foot stool.....	1	Desk.....	1
Fire side bench.....	1	Mirrors.....	2
Fern stands.....	21	Medicine trays.....	10
High chair.....	1	Napkin containers.....	3
Kitchen cabinet.....	1	Piano.....	1
Kitty cars.....	4	Picture frames.....	6
Magazine racks.....	8	Spools.....	2
Medicine cabinets.....	6	Side board.....	1
Pr. candle holders.....	8	Spinning wheel.....	1
		Shaping bag handles.....	36

BEAUTY PARLOUR

Shampoos.....	2,280	Hair cuts.....	457
Finger waves.....	1,920	Neck trims.....	930
Marcel's.....	400	Manicures.....	27

TABLE NO. 1—TOTAL ADMISSIONS—PSYCHOTICS

Month	Admiss-ions		Paroles		Deaths		Elope-ments		Deport-ations		Trans-fers	
	M	F	M	F	M	F	M	F	M	F	M	F
<i>Psychotics:</i>												
1945:												
January.....	17	16	5	4	2	1	..	..	..	..	..	..
February.....	23	11	10	4	3	5	..	..	..	..	..	..
March.....	24	11	9	11	4	3	..	..	..	..	..	..
April.....	15	13	8	9	7	..	2	..	..	..	..	..
May.....	16	14	11	13	3	2	..	..	..	..	..	..
June.....	18	17	23	13	6	5	..	1	..	..	..	..
July.....	22	17	16	16	2	7	..	..	..	..	..	..
August.....	17	18	22	10	3	2	3	..	..	..	1	..
September...	15	19	8	11	7	4	..	..	..	..	..	..
October.....	12	17	9	6	4	3	1	..	..	..	..	..
November....	15	12	7	14	7	4	..	2	..	..	..	..
December....	18	17	13	8	5	7	..	..	..	..	..	..
<i>Non-Psychotic:</i>												
April.....	1	..	1	..	..	..	..	..	..	..	..	..
July.....	1	..	1	..	..	..	..	..	..	..	..	..
October.....	1	..	1	..	..	..	..	..	..	..	..	..
Total.....	215	182	144	119	53	43	6	3	..	..	1	..
Grand Total....	397		263		96		9		..		1	

TABLE NO. 2—ADMISSIONS AND MOVEMENT OF PATIENTS.
COMPARATIVE STATEMENT

No. of Patients on Register January 1, 1945.....				Male	Female	Total
				1,083	604	1,687
Admissions:	Male	Female	Total			
First Admissions.....	162	136	298			
Readmissions.....	53	46	99			
				215	182	397
Total under our care during the year.....				1,298	786	2,084
Discharged or Removed:	Male	Female	Total			
Paroled.....	144	199	263			
Died.....	53	43	96			
Deported.....	..	..	..
Eloped.....	6	3	9			
Transferred.....	1	..	1			
Total removed from register during year				204	165	369
Total remaining on Register December 31, 1945				1,094	621	1,715
Total admissions during the year.....						397
Total paroles during the year.....						263
Percentage of Paroles of admissions.....						66.24%
Male admissions during the year.....						215
Male Paroles during the year.....						144
Percentage of Male Paroles of Admissions.....						66.97%
Female admissions during the year.....						182
Female paroles during the year.....						119
Percentage of Female Paroles of admissions.....						65.38%
Total number of cases treated during the year.....						2,084
Total number of deaths during the year.....						96
Percentage of deaths of cases under treatment.....						4.60%

TABLE NO. 3.—MOVEMENT OF PATIENTS—30 YEAR PERIOD

	1914-15	1915-16	1916-17	1917-18	1918-19	1919-20	1920-21
Admissions.....	271	250	268	290	318	296	302
Paroles.....	97	100	123	122	160	168	134
Deaths.....	24	44	55	58	115	85	56
Deportations.....	20	12	6	7	4	5	7
Elopements.....	..	..	2	4	4	6	11
Transfers.....	4	2	2	1	2	..	1
Remaining on Register.....	375	501	593	673	771	804	836

	1921-22	1922-23	1923-24	1924-25	1925-26	1926-27	1927-28
Admissions.....	321	188	200	234	246	257	260
Paroles.....	133	108	107	106	114	141	136
Deaths.....	50	35	38	38	43	62	58
Deportations.....	7	10	6	5	9	17	16
Elopements.....	8	4	4	5	1	4	5
Transfers.....	457	1	1	9	2	1	..
Remaining on Register.....	932	598	628	672	742	818	851

	1928-29	1929-30	1930-31	1931-32	1932-33	1933-34	1934-35
Admissions.....	306	330	329	330	382	383	362
Paroles.....	150	177	154	175	165	183	199
Deaths.....	59	44	57	71	75	81	97
Deportations.....	25	28	29	21	22	12	8
Elopements.....	8	22	15	12	14	10	8
Transfers.....	..	2	68	..	1	75	..
Remaining on Register.....	898	962	1,019	1,024	1,075	1,180	1,202

	1935-36	1936-37	1937-38	1938-39	1939-40	1940-41	1941-42
Admissions.....	432	390	373	390	388	369	387
Paroles.....	223	239	230	233	249	228	218
Deaths.....	102	75	91	88	76	86	109
Deportations.....	4	1	..	1	..	..	..
Elopements.....	8	8	6	9	7	2	4
Transfers.....	4	3	3	4	7	11	13
Remaining on Register.....	1,252	1,343	1,407	1,450	1,505	1,597	1,640

	1942-43	1943-44	1944	1945	
Admissions.....	347	373	350	397	
Paroles.....	183	235	217	263	
Deaths.....	109	115	101	96	
Deportations.....	1	..	..	..
Elopements.....	2	3	3	9	
Transfers.....	9	14	14	1	
Remaining on Register.....	1,683	1,689	1,687	1,715	

TABLE NO. 4—AGE GROUPS

Age Groups	Admissions		Paroles		Deaths	
	M	F	M	F	M	F
1- 9.....	..	..	..	..	..	..
10-19.....	16	8	7	8	..	..
20-29.....	39	42	30	30	..	..
30-39.....	33	47	26	34	2	4
40-49.....	32	17	29	20	2	4
50-59.....	30	23	26	16	8	8
60-69.....	34	22	19	9	15	7
70-79.....	25	14	5	2	18	12
80-89.....	6	8	2	..	6	7
90 and over.....	..	1	..	..	2	1
Totals.....	215	182	144	119	53	43
Grand Totals.....	397		263		96	

TABLE NO. 5—DIAGNOSES

Diagnoses	Male	Female
Psychoses with Syphilitic Meningo-encephalitis (General Paresis).....	4	..
Psychoses with other forms of Syphilis of the Central Nervous System—Meningo-vascular type (Cerebral syphilis).....	1	..
Psychoses with other infectious diseases.....	1	..
Psychoses due to drugs or other exogenous poisons.....	1	..
Traumatic Psychoses—other types.....	1	..
Alcoholic Psychoses:		
Pathological Intoxication.....	2	..
Acute Hallucinosiis.....	1	1
Paranoid type.....	..	1
Other types.....	1	..
Psychoses with Cerebral Arteriosclerosis.....	33	21
Psychoses with other Disturbances of Circulation:		
Cerebral Embolism.....	2	2
Cerebral Thrombosis.....	1	..
Other types to be specified.....	..	1
Psychoses with Convulsive Disorders (Epilepsy)		
Epileptic Deterioration.....	6	1
Epileptic Clouded States.....	2	..
Other Epileptic types.....	3	4
Senile Psychoses.....	..	1
Simple Deterioration.....	9	6
Presbyophrenic type.....	2	2
Depressed and Agitated Types.....	..	5
Other types.....	1	2
Involutional Psychoses:		
Melancholia.....	4	4
Paranoid.....	1	1
Other types to be specified.....	..	2
Psychoses due to other Metabolic diseases, etc.....	2	..
With other somatic diseases to be specified.....	1	..
Psychoses due to New Growth:		
With Intracranial Neoplasms.....	..	1
With other Neoplasms to be specified.....	2	..
Psychoses Associated with Organic changes of the Nervous System:		
Multiple Sclerosis.....	..	1
Disseminated Sclerosis.....	1	..
Other types to be specified.....	2	1

TABLE NO. 5—DIAGNOSES—Continued

Diagnoses	Male	Female
Psychoneurosis:		
Hysteria.....	..	2
Psychasthenia.....	1	4
Neurasthenia.....	3	3
Reactive Depression.....	3	8
Anxiety State.....	2	..
Manic Depressive Psychosis:		
Manic type.....	9	9
Depressive type.....	7	28
Mixed type.....	1	4
Other types.....	6	5
Dementia Praecox (Schizophrenia):		
Simple type.....	8	5
Hebephrenic type.....	17	26
Catatonic type.....	19	15
Paranoid type.....	5	5
Other types.....	1	..
Psychoses with Mental Deficiency.....	11	3
Psychoses—Undiagnosed.....	7	2
Without Psychoses:		
Epilepsy.....	7	..
Alcoholism.....	1	..
Mental Deficiency.....	9	1
Senility.....	2	..
Psychopathic Personality.....	1	1
Other types.....	3	4
Psychopathic Personality (Alcoholic).....	2	..
With Asocial or Amoral trends.....	2	..
Other types.....	1	..
Not Psychotic.....	3	..
Totals.....	215	182
Grand Total.....	397	

TABLE NO. 6—BIRTHPLACE OF ADMISSIONS—PSYCHOTICS

Country	Male	Female	Country	Male	Female
Canada.....	124	103	Russia.....	8	10
England.....	24	13	China.....	2	..
Scotland.....	4	8	United States.....	20	21
Ireland.....	..	2	Syria.....	..	1
Germany.....	1	3	Iceland.....	..	1
Norway.....	..	3	Hungary.....	1	1
Poland.....	11	6	Roumania.....	1	..
Austria.....	6	5	Bulgaria.....	1	..
Czechoslovakia.....	1	..	Lithuania.....	1	..
Sweden.....	4	2	Unknown.....	4	1
Ukraine.....	2	2			
Total.....	215	182			
Grand Total.....	397				

TABLE NO. 7—MILITARY PATIENTS ADMITTED

No.	Nativity	Age	Social Condition	Diagnoses
1.	Canada	56	Married	Psychosis due to or associated with Infection—Syphilis of the central Nervous system—Meningo-encephalitic type (General Paresis).
2.	Canada	32	Single	Schizophrenia—Catatonic type
3.	England	45	Single	Psychoneurosis—Neurasthenic type.
4.	Canada	21	Single	Psychoneurosis—Reactive Depression.
5.	Canada	23	Single	Post-traumatic psychosis—other types
6.	Canada	21	Single	Schizophrenic reaction.
7.	Canada	25	Single	Mental Deficiency without Psychosis.
8.	Canada	20	Single	Schizophrenia—Catatonic type.
9.	Canada	21	Single	Schizophrenia—Catatonic type.
10.	Canada	56	Single	Epilepsy without Psychosis.
11.	Canada	23	Single	Mental Deficiency without Psychosis.
12.	Canada	22	Single	Schizophrenia—Catatonic type.
13.	England	53	Married	Undiagnosed.
14.	Canada	30	Married	Manic Depressive Psychosis—Alternating type.
15.	Canada	49	Married	Schizophrenic—Hebephrenic type.
16.	England	46	Single	Psychosis due to Convulsive disorder Epileptic-Clouded State.
17.	Canada	20	Single	Schizophrenia—Paranoid type.
18.	Russia	24	Single	Schizophrenia—Hebephrenic type.
19.	Canada	20	Single	Schizophrenia—Catatonic type.
20.	Canada	25	Single	Schizophrenia.
21.	Canada	22	Single	Mental Deficiency—Low middle grade—with Amoral and Asocial trends.
22.	Canada	29	Married	Epilepsy without Psychosis.
				Schizophrenia—Hebephrenic type.

Remaining in Hospital on January 1st, 1945..... 137
Number admitted during the year..... 22

Total..... 159

Number paroled during the year..... 16
Number died during the year..... 3

Removed from Register during the year..... 19

Remaining in Hospital on December 31, 1945..... 140

TABLE NO. 8—RACIAL ORIGIN OF ADMISSIONS—PSYCHOTICS

Race	Male	Female	Race	Male	Female
Canadian.....	23	21	Chinese.....	2	..
English.....	42	26	Dutch.....	7	10
Irish.....	14	15	Czechoslovakian.....	1	2
Scotch.....	17	21	Swiss.....	1	..
Norwegian.....	12	10	African.....	1	..
French.....	10	8	Italian.....	1	..
Indian (N.A.).....	5	6	Danish.....	..	1
Welsh.....	5	..	Belgian.....	..	1
German.....	13	21	Bohemian.....	..	1
Ukrainian.....	13	8	Syrian.....	..	1
Russian.....	8	8	Unknown.....	12	3
Polish.....	13	9	<i>Non-Psychotic:</i>		
Swedish.....	7	5	Roumanian.....	1	..
Hungarian.....	3	2	Indian.....	1	..
Austrian.....	2	3	German.....	1	..
Totals.....				215	182
Grand Totals.....				397	

TABLE NO. 9—DEATHS-PSYCHOTICS

No.	Sex	Age	Immediate Cause of Death	Predisposition
1.	F	57	Pulmonary tuberculosis and acute hepatitis.....	Dementia Praecox.
2.	M	31	Miliary tuberculosis.....	Schizophrenia-hebephrenic.
3.	M	74	Lobar pneumonia.....	Psychosis associated with cerebral arteriosclerosis.
4.	F	54	Coronary thrombosis due to generalized arteriosclerosis.....	Dementia Praecox on a defective base.
5.	F	72	Softening of the brain due to general arteriosclerosis.....	Psychosis associated with cerebral arteriosclerosis.
6.	M	62	Lobar Pneumonia.....	General Paresis.
7.	M	69	Pneumonia.....	Senile Psychosis—Simple Deterioration.
8.	F	63	Softening of the Brain.....	Psychosis associated with Cerebral Arteriosclerosis.
9.	F	66	Softening of the brain.....	Psychosis associated with Cerebral Arteriosclerosis.
10.	M	84	Lobar Pneumonia.....	Psychosis due to Cerebral Arteriosclerosis.
11.	F	51	Bilateral Lobar Pneumonia.....	Psychosis associated with Cerebral Haemorrhage due to Cerebral arteriosclerosis and internal Hydrocephalus.
12.	M	58	Softening of the brain.....	Traumatic Psychosis.
13.	F	58	Hypostatic Pneumonia.....	Psychosis due to disturbance of Circulation—Cerebral embolism.
14.	M	61	Meningeal Haemorrhage.....	Involutional Melancholia-Depressed Type.
15.	F	62	Hypostatic Pneumonia.....	General Paresis.
16.	F	36	Cerebral Haemorrhage into Brain tumour.....	Epilepsy with deterioration.
17.	M	76	Hypostatic Pneumonia.....	Psychosis associated with Cerebral Arteriosclerosis.
18.	M	69	Softening of the Brain.....	Psychosis associated with Cerebral arteriosclerosis.
19.	M	58	Softening of the Brain.....	Arteriosclerotic Psychosis.
20.	M	84	Coronary Occlusion.....	Senile Psychosis.
21.	M	69	Softening of the Brain.....	Cerebral arteriosclerosis with Epilepsy, deterioration and Paranoid Reaction.
22.	M	60	Chronic Meningitis.....	General Paresis of the Insane.
23.	M	80	Hypostatic Pneumonia.....	Senile Psychosis.
24.	M	74	Hypostatic Pneumonia.....	Senile Psychosis, Presbyophrenic Type.
25.	F	57	Rupture of Heart.....	Schizophrenia, Hebrephenic Type.
26.	M	85	Pulmonary Edema and Shock following fracture of Femur.....	Senile Psychosis.
27.	M	58	Pulmonary Tuberculosis.....	Psychosis with other Infectious Disease—Pulmonary Tuberculosis.
28.	F	82	Epileptic Convulsions.....	Epileptic Psychosis.
29.	M	52	Pulmonary Tuberculosis.....	Dementia Praecox.
30.	M	78	Lobar Pneumonia.....	Psychosis Associated with Cerebral Arteriosclerosis.
31.	M	46	Cancer of Colon.....	Psychosis due to trauma—Post-traumatic Mental deterioration.
32.	F	61	Pulmonary Congestion.....	Involutional Melancholia.
33.	F	89	Chronic Myocarditis.....	Senile Psychosis—Simple deterioration.
34.	F	59	Coronary Thrombosis and Myocardial infarct.....	Psychosis associated with Arteriosclerosis and Thrombosis.
35.	M	73	Bronchopneumonia.....	Senile Dementia—Simple Type

TABLE NO. 9—DEATHS—PSYCHOTICS—*Continued*

No.	Sex	Age	Immediate Cause of Death	Predisposition
36.	F	36	Haemorrhage and Oedema of the Brain	Schizophrenia—Hebephrenic Type.
37.	M	64	Lobar Pneumonia.....	Senile Dementia, Simple Type.
38.	F	40	Exhaustion.....	Schizophrenia on a Defective Base.
39.	M	76	Softening of the Brain.....	Psychosis associated with Cerebral Arteriosclerosis.
40.	M	77	Bronchopneumonia.....	Senile Psychosis—Simple Deterioration.
41.	F	85	Softening of the Brain.....	Senile Psychosis, Presbyophrenia.
42.	F	77	Hypostatic pneumonia.....	Psychosis associated with Cerebral Arteriosclerosis.
43.	M	95	Hypostatic Bronchopneumonia	Senile Psychosis, Simple deterioration.
44.	F	78	Bronchopneumonia.....	Psychosis associated with Cerebral arteriosclerosis.
45.	F	42	Lobar Pneumonia.....	Psychosis with Epidemic Encephalitis-Post Encephalitis, Parkinsonism.
46.	F	77	Hypostatic pneumonia.....	Psychosis associated with Arteriosclerosis.
47.	M	72	Tuberculous pneumonia.....	Psychosis associated with Cerebral Arteriosclerosis.
48.	F	89	Chronic Myocarditis.....	Senile Psychosis.
49.	F	85	Hypostatic pneumonia.....	Psychosis associated with Cerebral Arteriosclerosis.
50.	M	70	Gangrene of the leg.....	Psychosis associated with Cerebral Arteriosclerosis.
51.	F	75	Pulmonary Embolism.....	Psychosis with Cerebral Arteriosclerosis.
52.	M	42	Auricular Fibrillation.....	Psychoneurosis—Anxiety Type.
53.	M	64	Acute Myocarditis.....	Senile Psychosis.
54.	M	82	Coronary thrombosis.....	Senile Psychosis.
55.	M	78	Senile deterioration.....	Senile Psychosis.
56.	M	74	Softening of the Brain.....	Senile Psychosis, Simple Deterioration.
57.	M	89	Arteriosclerosis and Chronic Myocarditis	Psychosis with Cerebral Arteriosclerosis.
58.	M	67	Coronary Thrombosis.....	Psychosis with Cerebral Arteriosclerosis.
59.	M	56	Cyst of Brain (Cerebellum) with pressure on 4th Ventricle.....	Psychosis due to New Growth—Cerebellum Cyst.
60.	F	49	Uraemia.....	Psychosis with other disturbance of Circulation—Cerebral Embolism.
61.	F	75	Chronic Myocarditis and Arteriosclerosis	Senile Psychosis.
62.	M	69	Edema of lungs.....	Psychosis with Cerebral Arteriosclerosis.
63.	F	74	Bronchopneumonia.....	Senile Psychosis.
64.	F	84	Acute Bronchopneumonia.....	Psychosis associated with Cerebral Arteriosclerosis.
65.	F	49	Intestinal Obstruction.....	Manic Depressive—Manic Type
66.	F	64	Bronchopneumonia.....	Psychoneurosis, Reactive Depression.
67.	M	91	Bronchopneumonia.....	Senile Psychosis, Simple Deterioration.
68.	M	61	Bronchopneumonia.....	Dementia Praecox.
69.	F	59	Brain tumour.....	Psychosis due to New Growth Intracranial Neoplasm.
70.	M	71	Erysipelas.....	Senile Psychosis.
71.	M	37	Lobar Pneumonia.....	Epilepsy with Psychosis.
72.	F	90	Acute Bronchopneumonia.....	Senile Psychosis, Simple deterioration.

TABLE NO. 9—DEATHS—PSYCHOTICS—*Continued*

No.	Sex	Age	Immediate Cause of Death	Predisposition
73.	M	78	Lobar Pneumonia	Senile Psychosis, Simple Deterioration.
74.	M	76	Chronic Myocarditis	Psychosis with Cerebral Arteriosclerosis.
75.	M	67	Chronic Myocarditis	Dementia Præcox-Hebephrenic Type
76.	M	67	Bronchopneumonia	Psychosis with Cerebral Arteriosclerosis.
77.	F	31	Toxæmia	Psychosis associated with Disseminated Sclerosis.
78.	F	55	Acute Bronchopneumonia	Psychosis associated with Cerebral Arteriosclerosis.
79.	M	84	Bronchopneumonia	Senile Psychosis.
80.	M	59	Softening of the Brain	Psychosis associated with Cerebral Arteriosclerosis.
81.	M	51	Thrombosis of Logitudinal Cerebral Sinus; thrombosis of Cerebral vessels—cause unknown	Psychosis due to disturbance of Circulation—Cerebral Thrombosis.
82.	F	74	Coronary Thrombosis	Epileptic Psychosis with Deterioration.
83.	M	59	Multiple brain tumour	Dementia Præcox.
84.	F	74	Softening of the Brain	Senile Psychosis.
85.	M	71	Bronchopneumonia	Psychosis associated with Cerebral Arteriosclerosis.
86.	M	79	Pulmonary hæmorrhage	Senile Dementia.
87.	F	69	Acute Myocarditis	Dementia Præcox.
88.	F	67	Hypostatic Pneumonia	Senile Psychosis—Presbyophrenic Type.
89.	F	34	Pulmonary hæmorrhage	Schizophrenia, Paranoid type.
90.	F	74	Hypostatic Pneumonia	Psychosis with Cerebral Arteriosclerosis.
91.	F	73	Rupture of Aneurysm of Aorta	Depressed Type.
92.	M	72	Hypostatic Pneumonia	Manic Depressive Psychosis, Senile Psychosis—Simple Type.
93.	M	59	Cerebral Hæmorrhage	Psychosis with Cerebral Arteriosclerosis.
94.	F	79	Metastosis of Hypernephroma to lungs	Arteriosclerotic Psychosis.
95.	M	77	Chronic Myocarditis with Bronchopneumonia	Psychosis with Cerebral Arteriosclerosis.
96.	F	83	Hypostatic pneumonia	Senile Psychosis—Simple Type.

TABLE NO. 10—DENTAL DEPARTMENT—1945

Number of Patients.....	592
Number of Examinations.....	179
Prophylaxis.....	121
Extractions.....	902
Fillings.....	121
X-rays.....	7
Treatments.....	19
Dentures—new.....	11
Dentures repaired.....	92

NOTE:
This report is incomplete inasmuch as the records were not satisfactorily kept until October 3rd of the year in question. A detailed system of records has now been instituted from which subsequent reports will be completely and satisfactorily computed.

HYDROTHERAPY—MALE AND FEMALE

MALE:		
Hydrotherapy.....	132	patients
Prolonged baths.....	167	patients
Cold Wet Packs.....	120	patients
<i>Hydrotherapy treatments—132 patients:</i>		
Electric Light Cabinet.....	864	
Shampoo.....	1,128	
Salt Glo.....	1,128	
Ice Mitt.....	564	
Scotch Douche.....	3,901	
Rain and Needle sprays.....	7,229	
Peri-neal.....	20	
Sitz Baths.....	14	
FEMALE:		
74 Patients received.....	264	Prolonged Bath
97 Patients received.....	376	Hydros
67 Patients received.....	209	Cold Wet Packs

X-RAY DEPARTMENT—1945

Plates of arms.....	11	Films of Jaw.....	6
Plates of Ankles.....	25	Films of Kidney.....	21
Plates of Abdomen.....	18	Films of Knee.....	35
Barium Enema films.....	10	Films of Leg.....	9
Chest films.....	391	Films of Nose.....	5
Dental films.....	71	Films of Pelvis.....	5
Elbow films.....	8	Films of Ribs.....	14
Foot films.....	20	Films of Shoulders.....	20
Femurs films.....	5	Films of Skull.....	195
Gall Bladder films.....	21	Films of Spine.....	197
Gastro-intestinal films.....	89	Films of Sacro-Iliac.....	4
Hand films.....	50	Films of Urinary Bladder.....	1
Hips.....	20	Films of Wrist.....	23
Fluorographs.....			
2,160			
Basal Metabolism Rates.....			
23			
Electrocardiographs.....			
91			
Picture Shows.....			
75			

LABORATORY REPORT—1945

URINALYSIS:

Routine examinations.....	1,480
Cultures.....	3

BLOOD COUNTS:

Complete Counts.....	419
White Blood counts.....	20
Sedimentation rates.....	63
Smears.....	6
Cultures.....	5
Hemoglobin (only).....	3
Grouping.....	4
Bleeding and clotting time.....	1

BLOOD CHEMISTRY:

Blood sugars.....	241
Blood calcium.....	6
Blood urea.....	17
Icterus index.....	32
Sulfa. levels.....	10
Urobilin.....	1
Van den berg.....	1

GASTRIC ANALYSIS:

Routine examinations.....	19
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CEREBRAL SPINAL FLUIDS:

Routine examinations.....	80
Colloidal gold.....	70

MISCELLANEOUS BACTERIOLOGY:

Milk:

Complete examinations.....	273
Butterfat.....	215
Photphatase test.....	195
Cultures.....	5

Water:

Routine examinations.....	55
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Sputum:

T. B. Positive.....	1
T. B. Negative.....	51
T. B. Smears (negative).....	9

Smears:

G. C. Smears.....	27
Throat smears.....	33
Cultures.....	8
Pus—(culture and smear).....	12
Faeces (worm).....	4

TREATMENTS—1945

	Male			Female		
	Patients	Treat-ments	Time	Patients	Treat-ments	Time
Dressings.....	442	6,854	167 hrs. 15 min. 68 hrs. 17 min.	257	5,644	183 hrs. 77 hrs. 55 min.
Infra Red.....	16	115		5	116	
Steam Inhalations....	4	10		22	136	
Malarial						
Transfusions.....	25	27		..	..
Short Wave						
Treatment.....	37	471		47	493	
Quartz						
Lamp.....	25	407		28	447	
Minor Surgery.....	71	76		33	37	
Spinal Punctures.....	39	43	127 hrs. 5 min.	9	12	1 Female child—Dec.
Tryparsamide.....	17	53		3	9	
Pneumothorax.....	26	71		21	54	
Metrazol.....	6	18		24	43	
Insulin.....	19	833		15	692	
Electro-Therapy.....	76	991		132	1,767	
Bismuth.....	10	26		..	..
Catheterizations.....	6	39		24	144	
Irrigations.....	..	..		1	3
Foot and Arm						
Baths.....	6	22		4	26	
Intravenous.....	13	43		14	90	
Obstetrics.....	1 Male child—Oct.			2	1 Female child—Dec.	
Suction						
Pressure.....	7	179		..	..
Operations.....	1	1		8	8	
Plaster Casts.....	10	11		2	2	
Blood Transfusions..	8	16		3	5	
Spinal Punctures.....	39	43		9	12	
Encephlograms.....	6	6		1	1	

TAILOR SHOP

New Work:

Coats—attendants' white.....	332
Coats—cooks' white.....	89
Coats—milkers' white.....	24
Coveralls—aprons.....	12
Overalls—patients' khaki.....	907
Suits—Chief Attendants' uniform.....	3
Smocks—patients' khaki.....	152
Shirts—patients' dark.....	37
Suits—strong—patients'.....	22
Trousers—attendants' uniform.....	102 pr.
Trousers—cooks' white.....	88 pr.
Trousers—milkers' white.....	14 pr.

Articles repaired: Dry Cleaned: Pressed:

Coats: white-Attendants, doctors', cooks'—repaired.....	468
Coats: cloth—repaired, cleaned, pressed.....	123
Mackinaws—repaired, cleaned, pressed.....	10
Overalls—repaired.....	2,120
Overcoats—repaired, cleaned, pressed.....	32
Suits—Chief Attendants' repaired, cleaned, pressed.....	7
Suits—Patients' dry cleaned, pressed.....	29
Sheepskins repaired.....	120
Strong suits repaired.....	48
Smocks repaired.....	280
Trousers—attendants' uniform repaired cleaned, pressed.....	402
Trousers—attendants' uniform altered and pressed.....	188
Trousers—attendants' uniform side pockets made.....	78
Trousers—Ward—repaired, cleaned and pressed.....	785
Trousers—cooks' white—repaired.....	185
Vests repaired cleaned and pressed.....	30
Windbreakers—repaired, cleaned and pressed.....	31

Dry Cleaning: Repairing: Tagging:

Dresses—patients.....	7
Skirts—patients.....	2
Sets window curtains.....	8
Man's fur coat remodelled and relined.....	1
Leather jackets repaired and relined.....	7
Vests repaired and relined.....	4
Suit coats relined and pressed.....	6
Tagged—Blankets.....	340
Tagged—Shirts (dozen).....	103
Tagged—Socks (dozen).....	71

SHOE REPAIR SHOP—1945-46

MENS' SHOES:

Mens' Boots (pairs) half-soled—nailed.....	1,003
Mens' Boots (pairs) half-soled—sewn.....	316
Mens' Boots (pairs) rubber heels.....	447
Mens' Boots (pairs) leather heels.....	369
Mens' Boots (pairs) leather insoles.....	380
Mens' Boots (pairs) leather patches.....	309
Mens' Boots (pairs) leather counters.....	130
Mens' Boots (pairs) leather slip soles.....	66
Mens' Boots (pairs) general repairs.....	170
Mens' Boots (pairs) leather welts.....	11
Mens' Boots (pairs) leather tongues.....	2
Mens' Boots (pairs) steel plates.....	22
Mens' Boots (pairs) tagged.....	350
Mens' Boots (pairs) eyelets and hooks (dozen).....	11

WOMENS' SHOES:

Womens' Shoes (pairs) half-soled—nailed.....	151
Womens' Shoes (pairs) half-soled—sewn.....	60
Womens' Shoes (pairs) rubber heels.....	99
Womens' Shoes (pairs) leather heels.....	254

SHOE REPAIR SHOP—1945-46—Continued

Womens' Shoes (pairs) leather insoles.....	122
Womens' Shoes (pairs) leather patches.....	84
Womens' Shoes (pairs) leather counters.....	87
Womens' Shoes (pairs) leather slip soles.....	6
Womens' Shoes (pairs) general repairs.....	95
Womens' Shoes (pairs) leather toe caps.....	9
Womens' Shoes (pairs) eyelets and hooks (doz.).....	2

HARNESS:

New Work:

New Buggy harness—sets.....	1
New Breeching.....	1
New Back pad.....	1
New Bridles—pair.....	1
New Belly band.....	1
New Buckles—straps for ice grips.....	9
New Hames strap.....	19
New Lines—sets.....	2
New Martingales.....	4
New Pole-straps.....	5
New Stallion lead.....	1
New Tugs pair.....	1

Repair Work:

Breechings—sets.....	6
Bridles—pairs.....	4
Belly bands.....	3
Back pads.....	6
Collars.....	9
Cart Saddle.....	1
Harness sets.....	13
Halters.....	23
Martingales.....	10
Polestraps.....	3
Riding saddles.....	2
Tugs.....	9
Throat lashes.....	2

MATTRESS AND UPHOLSTERY SHOPS

New Work:

Bath covers.....	56
Bath hammocks.....	54
Blinds.....	150
Cushions.....	36
Chairs.....	139
Curtains—pairs.....	107
Dough-bin covers.....	2
Extractor covers.....	3
Fly swatters.....	156
Firemens' Pads.....	33
Foot stools.....	4
Irrigation dams.....	12
Ice caps.....	25
Kneelers.....	12
Laundry bags.....	28
Meat covers.....	1
Mangle covers.....	24
Mattress cases—duck.....	46
Mattress cases—canvas.....	20
Mattress cases—ticking.....	186
Mattress crib.....	10
Mattress felt.....	92
Mattress strong.....	50
Mattress pack.....	3
Play pens.....	2
Pack straps.....	24
Pillows.....	81
Pillow cases.....	130
Rubber sheets.....	136
Rockers.....	1
Radiator covers.....	1
Strong Blankets.....	145
Spot sheets.....	4
Salt strainers.....	3
Summer house awnings.....	3
Saddle bags.....	2
Shower curtains.....	3

Repair Work:

Bath covers.....	751
Bath Hammocks.....	327
Billiard tables recovered.....	1
Blinds.....	77
Bed boards—sets.....	3
Cushions.....	105
Curtains—sets.....	74
Curtain Bracket and Rods.....	168
Chairs lawn.....	10
Chairs chesterfield.....	3
Chairs rockers.....	15
Chairs occasional.....	42
Chesterfields.....	2
Crutches.....	6
Carpets.....	16
Couches.....	31
Car seats.....	5
Condemning bags.....	2
Extractor covers.....	2
Ice bags.....	2
Ice caps.....	10
Laundry bags.....	30
Mattresses—felt—remade.....	3122
Mattresses—strong—remade.....	6182
Mattresses—pack—remade.....	27
Mattress cases.....	740
Pillows remade.....	1571
Pack straps.....	245
Rugs.....	25
Settees.....	2
Summer house awnings.....	1
Strong blankets.....	112
Tennis nets.....	2
Union Jack.....	1

OCCUPATIONAL THERAPY—WOMEN

Aprons—adult.....	13	Luncheon sets.....	54
Aprons—child.....	55	Mats—place.....	97
Aprons—baby.....	1	Needlepoints.....	3
Baby bibs.....	7	Pillow cases (pr.).....	119
Baby socks (prs.).....	6	Pot holders.....	102
Baby pillow cases.....	8	Rugs.....	30
Bags—laundry.....	30	Runners.....	57
Bags—clothes pin.....	1	Serviettes.....	149
Bags—shopping.....	19	Sheets.....	111
Bed Jackets.....	2	Sheet sets.....	8
Chair sets.....	4	Towels bath (pr.).....	45
Centre pieces.....	3	Towels—dish.....	316
Crib covers.....	3	Towels—tea (single).....	207
Cushions.....	4	Towels—tea (prs.).....	49
Cushion covers.....	1	Towels—hand.....	28
Cloths—face.....	7	Three piece sets.....	36
Cloths—tea.....	1	Toys.....	4
Cloths—tray.....	12	Scarf.....	1
Cloths—luncheon.....	55	Slippers pr.....	1
Doilies.....	130		

SEAMSTRESS (SEWING ROOM)

New Work:

Aprons—duck.....	48
Aprons—rubber.....	31
Aprons—print.....	48
Aprons—oilcloth.....	60
Bags—tea —large.....	805
Bags—medium.....	1,179
Bags—small.....	515
Bags—Bursar.....	50
Caps—cooks.....	28
Cushion covers.....	6
Coats—dentist.....	24
Covers dresser.....	43
Dressing gowns.....	50
Face steamers.....	15
Haircloths.....	8
Nightgowns—cotton.....	405
Nightgowns—f'lette.....	289
Nightshirts cotton.....	288
Nightshirts—f'lette.....	68
Pillow slips.....	472
Press covers.....	12
Pillow slips—officers.....	5
Princess slips.....	106
Shrouds.....	96
Sheets—officers.....	7
Sheets.....	1,827
Towels—hand.....	254
Towels—ind.....	100
Towels—bath.....	1,127
Towels—P.R.....	10
Tray cloths.....	27
Tablecloth—officers.....	1
T.B. Masks.....	30

Repair Work:

Aprons rubber.....	4
Aprons—kitchen.....	210
Bed jackets.....	2
Blankets.....	121
Combinations.....	198
Counterpanes.....	372
Cushion covers.....	2
Cooks' caps.....	2
Curtains prs.....	6
Drawers.....	938
Dresses print.....	328
Dressing gowns.....	42
Doctors' gowns.....	15
Dresses strong.....	112
Night gowns.....	681
Night shirts.....	581
Nurses' uniforms.....	209
Nurses' Aprons.....	217
Nurses Bibs.....	248
Nurses Belts.....	84
Nurses Collars.....	199
Nurses Caps.....	15
Pyjamas prs.....	36 $\frac{1}{2}$
Princess slips.....	91
Pillow slips.....	137
Shirts top.....	1,744
Shirts under.....	567
Sheets.....	428
Socks—prs.....	1,545
Sweaters.....	91
Towels—bath.....	102
Tablecloths.....	6
Table covers.....	2
Vests.....	12

GREENHOUSES, GARDENS AND GROUNDS

1945-46

The Vegetable gardens on the grounds at the Main Building produced a satisfactory crop in 1945 as evidenced by the following totals delivered to the Kitchen:

Potatoes.....	64,370 lbs.	Corn.....	3,305 lbs.
Lettuce.....	9,960 lbs.	Cucumbers.....	234 lbs.
Green Onions.....	10,480 lbs.	Peas.....	1,615 lbs.
Rhubarb.....	5,358 lbs.	Beans.....	1,310 lbs.
Radish.....	2,595 lbs.	Broccoli.....	115 lbs.
Spinach.....	1,650 lbs.	Cauliflower.....	1,615 lbs.
Chard.....	6,400 lbs.	Celery.....	545 lbs.
Turnips.....	2,365 lbs.	Marrow.....	2,300 lbs.
Cabbage.....	9,215 lbs.	Pumpkin.....	1,180 lbs.
Carrots.....	1,245 lbs.	Squash.....	1,800 lbs.
Beets.....	445 lbs.		

The greenhouses and concrete hot beds continue to give satisfactory service and a total of 7,296 potted plants have been delivered to the different wards, besides cut flowers for the offices and dining rooms.

The flower gardens at the front of the Main Building were again a great success, according to all visitors who went through them. These gardens were the source of an abundance of cut flowers for the Wards.

Approximately 20,000 annual bedding plants, besides 1000 tubers and bulbs, have been used in planting the beds in the flower gardens, and another 5000 plants have been used in flower beds scattered about the lawns.

The lawns around the main building, the cottages, the apartment block and the Nurses' Home have been watered and cut regularly and kept in good condition all through the Summer.

Golf Course and Tennis Courts:

The Golf Course and Tennis Courts have been well looked after. The Greens and fairways have been regularly mowed and the bluffs dug, and kept free from weeds.

Orchard at Main Building:

The Orchard at the Main Building produced a good crop notwithstanding the late Spring frost which damaged the blossoms on the strawberries and currant bushes, and the early Fall frost which damaged the plum crop severely. The following produce was obtained:

Strawberries.....	173 lbs.
Currants.....	1,449 lbs.
Gooseberries.....	76 lbs.
Plums.....	712 lbs.
Crab Apple.....	2,173 lbs.

Roads:

We have been unable to keep our roads in as good shape as we could wish, owing to the fact that we lack equipment. We are quite often unable to borrow a Grader to do this work.

The roadsides have all been dug and kept free from weeds, and a total of 2,199 young trees have been planted.

In addition to this, 6000 seedling trees have been planted in the Nursery to replace the trees transplanted to the Grounds.

Irrigation Project:

60 acres of vegetable gardens produced the following crops:

Beans green.....	4,050 lbs.
Beets.....	52,500 lbs.
Carrots.....	192,800 lbs.
Cauliflower.....	1,220 lbs.
Cabbage.....	83,680 lbs.

Celery.....	2,225 lbs.
Cucumbers.....	100 lbs.
Lettuce.....	3,830 lbs.
Leeks.....	355 lbs.
Mangels.....	22,100 lbs.
Onions.....	14,448 lbs.
Peas—green.....	11,840 lbs.
Parsnips.....	26,500 lbs.
Radish.....	2,540 lbs.
Rhubarb.....	2,405 lbs.
Chard.....	11,261 lbs.
Squash.....	400 lbs.
Spinach.....	400 lbs.
Tomatoes.....	316 lbs.
Turnips.....	7,005 lbs.
Marrow.....	202,438 lbs.
Potatoes.....	17,680 Bushels from 65 acres.

The severe early Fall frost killed the dry beans, dry peas, cucumbers, corn, peppers, and cut our potato crop by about 2,000 bushels.

Orchard-Irrigation:

The following crops were harvested:

Strawberries.....	1,685 lbs.
Gooseberries.....	1,120 lbs.
Raspberries.....	1,502 lbs.
Currants.....	328 lbs.
Cherries.....	463 lbs.
Crab Apples.....	5,522 lbs.
Plums.....	1,196 lbs.

HOME FARM AND IRRIGATION PROJECT

Home Farm:

The Spring of 1945 was quite late, and was followed by a very cool Summer with only moderate rainfall. However, quite good yields of crops were obtained. A two inch snowfall and very high wind on September 22nd, flattened grain crops that were still uncut, and made harvesting operations very difficult. Extremely hard frosts on September 26th and 27th, froze a lot of potatoes that were still in the ground.

On the Home Farm only 250 acres were seeded to oats and barley. The remainder of the cultivated land was used for pasture and summer fallow. The yield obtained was:

3,200 bushels Barley.
5,100 bushels Oats.

Irrigation Farm:

On the Irrigation Farm, we experienced another very successful season. The irrigation of alfalfa started on June 5th, and continued with hardly a let up until August 28th, when crops were nearing the harvesting stage. No Fall irrigating was done owing to the lateness of the season.

The 650 acres on the flats were farmed as follows:

Alfalfa.....	80 acres	135 tons
Barley.....	30 acres	1,100 bushels.
Oats.....	304 acres	15,600 bushels.
Oats and Alfalfa.....	15 acres	50 tons sheaves
Mixed hay.....	46 acres	21 tons
Potatoes.....	65 acres	
Vegetables.....	60 acres	
Orchard.....	12 acres	
Pig pasture.....	15 acres	
Left to level.....	23 acres	

Livestock:

All classes of livestock made good progress during the year, and no serious outbreak of disease was experienced, although some losses occurred in the swine, due to erysipelas. Strict sanitation is being practised, and all young stock treated with erysipelas serum, and it is hoped that the disease will be kept in check by this method.

The herd of Holsteins produced very well during the year and the cows again qualified for an Honour Roll Certificate with an average production from 106 cows of 10,401 lbs., milk and 339 lbs., butter fat.

The following produce was supplied from the farm to the Institution kitchens:

Milk.....	411,980 Qts.	Liver.....	1,917 lbs.
Beef.....	13,410 lbs.	Chicken.....	11,218 lbs.
Lamb.....	2,062 lbs.	Fowl.....	6,078 lbs.
Mutton.....	226 lbs.	Turkey.....	5,774 lbs.
Pork.....	109,322 lbs.	Eggs.....	23,910 doz.

POWER PLANT—MAIN BUILDING AND DIESEL ENGINE PLANT—IRRIGATION

The following report covers the operations of the Power Plants and Waterworks at the Main Building and the Irrigation Project for the fiscal year ending April 30th, 1946. This report covers the first complete year since the new Chief Engineer took over these Plants in March 1945.

A number of changes have been made during the year—the chief of these being the installation of a continuous blow-down system in our boilers, along with a complete internal feed-water treatment. The feed water treatment previously used was a combination of the lime and soda method with some phosphate treatment. The results were not satisfactory. The complete internal treatment with the surface blow-down has been in operation for only a short time, but already, there are definite indications that the installation has been justified. Regular tests are taken of the boiler and feed waters, and the conditions necessary for the most efficient operation maintained. It is felt that substantial savings in fuel will be effected as a result of cleaner boilers: that boilers will be kept on the line much longer than was formerly the case, and that there will be a considerable reduction in the time taken to clean boilers at the end of a run.

Along with the changes noted above, we have installed cross-over tubes in each of our four boilers. This gives a nearly uniform condition in both drums of each boiler—a condition we were not able to achieve previous to this change being made.

A small change in the piping of our water supply system has made that system much more flexible, with fewer chances of service interruptions in the event of line leaks. This change, too, has allowed us to run the smaller river pump during the winter months and the early spring period when the river level is low. Operating the smaller pump reduces the draw-down in our well, and avoids most of the trouble we have had with our water supply in past years during periods of low water in the river.

Arrangements are practically completed for making our Refrigerating system automatic. The ammonia compressor is situated in the main kitchen and the engineer on shift is obliged to leave the power house whenever it is necessary to start or shut down the machine. Periodically, during the shift, he has to inspect the machine to make sure that the pressures being carried are satisfactory. With the automatic system the engineers on shift will not be required to spend so much time away from the plant.

The chlorinating equipment has been overhauled and repaired and is now operating in a very satisfactory manner. Laboratory tests of the domestic water are made weekly.

There have been no interruptions of service during the year, but to ensure a continuation of this condition, it has been found necessary to make fairly extensive repairs to some of our machinery. One of our reservoir pumps was found to be in a very bad condition and had to be overhauled and repaired. Our steam boiler feed pump was out of commission for a considerable time because an overhaul showed that a new wheel and other parts were required urgently if the pump was to continue in operation.

Our engines and generators have given excellent service during the year. This was made possible because of the regular and efficient attention they receive. Part of our electrical load was taken over by the Saskatchewan Power Commission during the year, relieving the strain on our own generating equipment.

It will be noted that the total power house expenses for 1945-46 are considerably higher than for the previous year. The reasons for this are three-fold; the

essential repair work that has had to be done as outlined above: the increase in salaries that has taken place during the year, and the fact that our monthly reports and our annual report show all items of expenditure in connection with the power plants in contrast to the reports of previous years in which a number of items of expense were omitted.

The monthly and daily average kilowatt output as shown in our monthly reports, includes only the power generated by our own equipment and does not include power bought from the Power Commission. This gives a false picture of the distribution of power and, in future, this item will include the total power distributed to the institution and other buildings.

The method of handling coal and ashes in this plant is definitely out of date. The coal is unloaded from the cars into bunkers, and from the bunkers, it is loaded into small cars and hauled to the boilers and shovelled into the hoppers. All this work is done manually. The ashes from the furnaces are pulled on to the boiler room floor where they are damped down. They are then loaded into wheelbarrows and hauled to the ash pile outside the building. The work of handling the coal and ashes is laborious and disagreeable. When hot ashes are being damped down, the boiler room is filled with a cloud of vapour and fine ash. The fine ash settles over everything, and the boiler room is thickly coated in spite of all efforts to keep equipment and steam lines clean. The ash, too, finds its way into the bearing surfaces of our shafting and coal feed controls.

Our present furnaces and stokers are not adapted for the burning of the lowest grades of fuel, such as bug dust. This necessitates the use of more expensive fuels obtainable only from the Alberta coal fields. Freight, which runs from 11½c to 18c per hundred pounds, represents the greater part of our fuel costs.

Our boilers are now over thirty years old. They have given, and are still giving good service, but they cannot be expected to operate much longer at the pressure presently being carried.

As noted above, part of our load has been taken over by the Power Commission. The extra cost of this service will not be offset completely by savings in fuel effected at this Plant. The load on our generators has been reduced, but the load on our boilers will not be reduced to the same degree. Our exhaust will have to be boosted with live steam practically all the year round to maintain heating, domestic water heater and other services.

The foregoing facts show the need for a new and up-to-date power plant for this Institution. Old equipment necessarily means constantly increasing repair bills and diminishing efficiency.

MONTHLY STATEMENT OF POWER HOUSE CREDITS

Month:	Water	Heat	Power	Light	Supplies
May.....	1,534.91	3,069.83	2,528.10	1,896.07	892.80
June.....	1,539.57	3,079.13	2,535.76	1,901.81	212.40
July.....	1,411.98	2,823.95	2,325.61	1,744.20	1,054.70
August.....	1,502.22	3,004.42	2,474.22	1,855.68	715.68
*September.....	1,694.89	5,345.42	2,607.52	3,389.77	548.92
October.....	1,466.25	4,624.33	2,255.77	2,932.51	31.50
November.....	1,554.30	4,902.03	2,391.24	3,108.61	925.44
December.....	1,603.57	5,057.40	2,467.03	3,207.13	550.71
January.....	1,707.82	5,386.19	2,627.41	3,415.63	1,826.37
February.....	1,660.29	5,236.30	2,554.29	3,320.58	121.95
March.....	1,613.13	5,087.57	2,481.74	3,226.27	410.16
April.....	1,295.44	4,085.63	1,992.99	2,590.89	10,364.18
	18,584.37	51,702.20	29,241.68	32,589.15	17,654.81

*—Wages adjustment.

Total Credits \$149,772.21

D. C. PLANT

RECORDED MONTHLY PEAK LOAD (KILOWATTS)

Month	1945	1946	Remarks
May.....	253.0	220.8	A.C. hooked up to 8 and 10 Sections.
June.....	241.5	213.9	
July.....	208.1	243.8	
August.....	212.7	242.6	
September.....	247.2	234.6	
October.....	264.5	249.5	
November.....	279.4	277.1	
December.....	289.8	294.4	
January.....	310.5	273.7	
February.....	288.7	250.7	
March.....	257.6	215.0	
April.....	243.6	188.6	

CHLORINE CONSUMPTION—DOMESTIC W.W. AND DISPOSAL PLANT

Domestic Water Works			Disposal Plant		
	1945	1946		1945	1946
Month:	Lbs.	Lbs.	Month:	Lbs.	Lbs.
May.....	46.5	41.5	May.....	51	68
June.....	37.5	43.5	June.....	81	70
July.....	38.0	40.0	July.....	76	72
August.....	38.0	46.5	August.....	64	64
September.....	52.5	49.0	September.....	95	62
October.....	40.0	45.0	October.....	61	59
November.....	37.5	34.5	November.....	41	58
December.....	53.0	35.0	December.....	32.5	62
January.....	34.5	42.5	January.....	63	18
February.....	35.0	40.0	February.....	70	....
March.....	26.0	42.25	March.....	50	....
April.....	35.5	43.75	April.....	55	....
Total for Year.....	474.0	503.5	Total for Year.....	739.5	

COAL CONSUMPTION—TWO POWER PLANTS

Year ending April 30, 1945:		Year ending April 30, 1946:	
Month:	Tons of Coal	Month:	Tons of Coal
May.....	952.860	May.....	1,184.305
June.....	890.970	June.....	921.355
July.....	869.275	July.....	815.435
August.....	973.210	August.....	869.280
September.....	959.715	September.....	929.545
October.....	1,065.040	October.....	1,155.070
November.....	1,247.255	November.....	1,460.190
December.....	1,321.115	December.....	1,538.100
January.....	1,429.400	January.....	1,592.040
February.....	1,202.270	February.....	1,412.930
March.....	1,240.435	March.....	1,353.260
April.....	1,199.610	April.....	933.650
Total for Year.....	13,351.155	Total for Year.....	14,165.160

Increase 6.09%

GALLONS OF WATER PUMPED INTO W.W. DISTRIBUTION SYSTEM
(Two Power Plants)

Year ending April 30th, 1945		Year ending April 30th, 1946	
Month:	Gallons Pumped	Month:	Gallons Pumped
May.....	13,020,500	May.....	13,206,580
June.....	13,363,300	June.....	14,873,420
July.....	15,230,700	July.....	15,730,340
August.....	15,456,100	August.....	14,572,760
September.....	12,510,900	September.....	12,844,040
October.....	13,123,000	October.....	11,839,900
November.....	12,220,400	November.....	11,925,100
December.....	12,161,875	December.....	11,915,485
January.....	9,905,720	January.....	12,222,300
February.....	10,332,300	February.....	10,393,045
March.....	12,081,300	March.....	11,368,500
April.....	10,371,000	April.....	11,705,900
Total for Year.....	149,777,095	Total for Year.....	152,597,370

Increase 1.22%

PURCHASED POWER FROM SASKATCHEWAN POWER COMMISSION

Year ending April 1945			Year ending April 1946		
Month:	Kilo-watt Hours	Cost in \$	Month:	Kilo-watt Hours	Cost in \$
May.....	28,322	849.66	May.....	33,675	1,030.46
June.....	34,344	1,030.32	June.....	36,707	1,123.23
July.....	32,167	965.01	July.....	35,370	1,082.32
August.....	33,903	1,017.09	August.....	35,155	1,075.74
September.....	35,824	1,074.72	September.....	34,087	1,043.06
October.....	32,136	964.08	October.....	31,610	967.27
November.....	33,587	1,027.76	November.....	29,194	893.34
December.....	31,972	978.34	December.....	30,109	921.34
January.....	32,397	971.91	January.....	35,563	1,088.23
February.....	33,016	990.50	February.....	43,888	1,342.97
March.....	28,808	864.24	March.....	40,786	1,248.05
April.....	34,289	1,028.67	April.....	46,400	1,419.84
Total for Year.....	390,765	\$11,762.30	Total for Year.....	432,544	\$13,235.85

Increase 10.61% Increase 12.53%

COMBINED KILOWATT-HOUR OUTPUT: TWO POWER PLANTS

Year ending April 30th, 1945		Year ending April 30th, 1946	
Month:	Kilowatt Hours	Month:	Kilowatt Hours
May.....	125,611.00	May.....	119,100.25
June.....	120,541.35	June.....	109,369.85
July.....	117,117.35	July.....	115,730.40
August.....	116,529.00	August.....	121,369.65
September.....	127,110.15	September.....	126,448.85
October.....	131,102.10	October.....	142,769.40
November.....	144,316.00	November.....	156,145.05
December.....	152,522.85	December.....	169,986.00
January.....	130,063.30	January.....	156,282.30
February.....	135,902.70	February.....	138,812.70
March.....	139,268.15	March.....	130,211.75
April.....	127,692.35	April.....	107,841.35
Total for Year.....	1,567,776.30	Total for Year.....	1,594,067.55

Increase: 1.04%

ANNUAL OPERATING COSTS: TWO POWER PLANTS

Year Ending April 30th, 1945—

Items of Expense	Cost
Tons of Coal 13,351.125.....	\$55,124.48
Total Salaries for year.....	29,244.46
Fuel Oil.....	5,346.49
Lubricating Oils, Greases, etc.....	1,859.62
Total Costs for Year.....	\$91,575.05

Year ending April 30th, 1946—

Items of Expense:	Cost
Bunker Coal.....	\$57,662.58
Supplies (Dom. Coal, Wood Etc.,).....	17,654.81
Salaries.....	43,757.98
Fuel Oil.....	5,969.22
Purchase Power (Sask. Power Commission)	13,235.85
Repairs.....	7,303.05
Engine Oils.....	1,492.61
Coal Oil and Gasoline.....	50.86
Sundries.....	2,645.25
Total costs for Year.....	\$149,772.21

(Education Tax included)

INDUSTRIAL OCCUPATION

1. New counter and cupboards built in Canteen.
2. Stand for milk cooler made from old 1" pipe.
3. Tailor shop moved into new quarters and table and benches remodelled.
4. Two tables and one buffet painted in No. 5 dining room.
5. Wicker verandah suite painted for officers' quarters.
6. Shoe shop moved into old tailor shop, and more benches were built.
7. Painted 3a Ward.
8. Blackout windows made for eye-testing room.
9. Painted all furniture on 5-a ward.
10. Staff dining room and service kitchen painted.
11. Decorated chief engineer's office in Power house.
12. Painted Bursar's office.
13. Laid new cement floor in 6-a Lavatory.
14. Built new cupboards in Welding shop.
15. Repaired and painted ice harvesting equipment.
16. Repaired steps on two staff cottages.
17. Painted four lavatories in basement.
18. Show room for toy shop painted.
19. Floor and benches in shoe repair shop painted.
20. Annex 2 ward painted.
21. All furniture on 7-a T.B. painted.
22. Sidewalk laid across lawn.
23. Storage shed for gasoline and oil built for Farm.
24. Tore down four granaries and built new ones.
25. Built new tool shed at new cemetery.
26. Tore down old silo and erected new one on a new foundation.
27. Painted and papered one staff cottage.
28. Floor painted in Suite 33.
29. Silo lined with drop siding and painted.
30. Silo treated with preservative before building.
31. Two granaries and gasoline sheds painted.
32. Floors varnished in a staff cottage.
33. New panel board installed in 7 basement to allow more light circuits as old ones were overloaded.
34. Concrete steps built on two staff cottages.
35. New blow-down pit built for power house.
36. Telephone switch board thoroughly over hauled.
37. Part of power house roof repaired and treated with preservative.
38. Roof on Morgue painted with roofing compound.
39. Decorated suite 10 in Apartment block.
40. Front hall decorated on two floors.
41. Hall papered and floor varnished in a staff cottage.
42. No. 3 Staff cottage completely decorated.
43. Clothes cupboards built for 10-b Ward.
44. Outside wall of refrigerator repaired.
45. Silo at new cow barn raised, excavation dug, foundation put in and silo made 8 ft. higher.
46. Four lockers built for power house staff.
47. Lockers and benches for power house staff painted.
48. New cupboard in 10-b painted.
49. 8-a Verandah floor painted.
50. Suite 23 painted where necessary.
51. Twenty-four windows at disposal plant painted and re-glazed.
52. Installed new refrigerator in Morgue.
53. New sump hole dug and manhole made at new cow barn.
54. Heating coil put in two sets of frames for Greenhouse.
55. Refloored seven stalls in horse barn.
56. Suite 12 in Apartment Block re-decorated.
57. Stone wall built around ash pile.
58. New Sterilizer installed in Operating room.
59. Shack built for use when harvesting ice.
60. Information office moved into front hall.
61. Shed built over farm scales.
62. No. 1 staff cottage decorated.
63. No. 2 staff cottage decorated.
64. Five tables and four chairs painted for wards.
65. Nurses' Home completely re-decorated.
66. Garage built for staff cottage at Irrigation.
67. Lumber floor in hog pens renewed.
68. Air chutes built for diesel engines.

69. Built box across alley for steam pipe to chopping shed—irrigation farm.
70. Painted basement in sections 8 and 10.
71. Re-decorated No. 14 staff cottage.
72. Several doors rebuilt on hog barn.
73. Twenty-five cement culverts made for Irrigation farm.
74. Erected stone building for solvent tanks.
75. Eleven clothes lockers built for kitchen staff.
76. New refrigerator installed in Dispensary.
77. Brick walls plastered in 7-a Verandah.
78. Repaired and painted 48 tables for male dining rooms.
79. Built ventilating shaft for plumber's shop.
80. Installed heating unit in chopping shed.
81. Converted incubator from being coal heated to electrically heated.
82. Staff quarters in Apartment Block decorated.
83. Information office erected in front hall.
84. Four hog crates built for farm.
85. Shelving built in Dispensary store room.
86. Cupboard built for drugs in dispensary.
87. New concrete floor laid in 10 basement kitchen.
88. Suite 26 in Apartment block painted.
89. Repairs made to concrete brine tank.
90. Verandah in 7-a ward painted.
91. Five booths built for stenographers on 2nd floor.
92. Extended porch in No. 8 staff cottage.
93. In addition to the above work, the various tradesmen have attended to 7,000 requisitions for minor repairs during the past year.

The Mental Hospital, Weyburn

DR. R. O. DAVISON,
Commissioner of Mental Services,
Weyburn, Sask.

September 3rd, 1946.

Dear Dr. Davison—

I beg to submit for your consideration, the twenty-fifth annual report of the Saskatchewan Mental Hospital, Weyburn.

The fiscal year commenced with a population of 1,475 male patients and 1,013 female, a total of 2,488 patients. There remained on the register April 30th, 1946, 1,485 male and 1,049 female or a total of 2,534, showing a net gain of 46 patients.

The opening of the School for Defectives at Weyburn and the supplying of staff increased our difficulties materially and continues to increase them. In addition, there has been the inception of the eight hour day for the staff, which has not by any means decreased our difficulties as staff continue to be hard to obtain. Approximately 205 male patients have been transferred during the past year to the School for Defectives but construction difficulties and shortage of staff have handicapped us in the transfer of these patients. In our laundry we are still awaiting certain alterations that should materially improve the working conditions of the patients employed there and we are still awaiting the construction of a curling rink and nurses' home. At the moment of writing, it does not appear likely that we can hope for any relief as long as the strike situation holds.

The water line to the dam, south-east of the town, will, we hope, relieve the situation here as far as scarcity of water is concerned and a start has been made on the purification plant at this end of the line.

Special efforts have been made to get the patients out of doors as much as possible whenever staff is available and this results in improvement in the health of the patients. Apparently General Hospitals throughout the dominion are suffering from staff shortage and they have not been alone in this matter. We had a slight outbreak of mumps in the institution in the latter part of the year but succeeded in checking it before it became very widespread. Aside from this, the general health of the patients has been very good.

In conclusion, I wish to thank you and the Department for the help we have received throughout the year.

Yours faithfully,

A. D. CAMPBELL, M.D.
Superintendent.

TABLE NO. 1—TOTAL ADMISSIONS—PSYCHOTICS

Month	Admis- sions		Paroles		Deaths		Elope- ments		Deporta- tions		Trans- fers	
	M	F	M	F	M	F	M	F	M	F	M	F
1945												
May.....	10	9	15	5	2	3	..	..	..	..	1	..
June.....	11	9	8	4	4	3	..	..	..	..	..	..
July.....	15	7	12	9	4	2	..	..	..	..	..	..
August.....	13	9	11	5	1	1	..	..	..	..	..	..
September....	17	10	11	3	8	1	1	..	..	..	..	..
October.....	9	11	7	2	7	3	..	..	..	..	..	..
November....	15	10	8	8	4	5	1	..	..	..	..	..
December....	16	9	2	8	5	2	..	..	..	..	..	..
1946												
January.....	13	15	6	2	6	4	..	..	..	..	..	..
February.....	14	13	4	2	11	4	..	..	..	..	..	..
March.....	11	8	7	5	5	4	..	..	..	..	..	..
April.....	22	6	7	4	10	2	..	..	..	..	..	..
Total.....	166	116	98	57	67	34	2	..	..	..	1	..
Grand total....	282		155		101		2		..		1	

TABLE NO. 2—ADMISSIONS AND MOVEMENT OF PATIENTS

COMPARATIVE STATEMENT

	Male	Female	Total
Number on our register May 1, 1945.....	1,475	1,013	2,488
Admissions:	Male	Female	Total
First admission, psychotic.....	108	81	189
First admission, defective.....	51	39	90
Re-adm. psychotic.....	58	35	93
Re-adm. defective.....	21	8	29
By transfer psychotic.....	..	..	..
By transfer defective.....	2	1	3
Total admissions.....	240	164	404
Total under our care during year.....	1,715	1,177	2,892
Discharged or removed:	Male	Female	Total
Paroled psychotic.....	98	58	156
Paroled defective.....	40	22	62
Deaths psychotic.....	67	34	101
Deaths defective.....	22	14	36
Elopements psychotic.....	2	..	2
Elopements defective.....	..	..	..
Transfers psychotic.....	1	..	1
Total removed from register during year.....	230	128	358
Total remaining on register April 30, 1946.....	1,485	1,049	2,534
Total admissions during year (psychotics).....	282		
Total paroled during year (psychotics).....	156		
Percentage of paroles of admissions.....	55.32%		
Males admitted for year.....	166		
Males paroled for year.....	98		
Percentage of paroles of admissions.....	59.03%		
Females admitted for year.....	116		
Females paroled for year.....	58		
Percentage of paroles of admissions.....	54.72%		
Total cases under treatment.....	2,892		
Total deaths during year.....	137		
Percentage of deaths of cases under treatment.....	4.74%		
Defective male admissions.....	72		
Defective male paroles.....	40		
Percentage of paroles of admissions.....	55.55%		
Defective female admissions.....	47		
Defective female paroles.....	22		
Percentage of paroles of admissions.....	46.81%		

TABLE NO. 3—MOVEMENT OF PATIENTS—25 YEAR PERIOD.

	1921-22	1922-23	1923-24	1924-25	1925-26
Admissions.....	607	341	254	270	271
Paroles.....	21	146	113	112	143
Deaths.....	11	90	60	65	67
Deportations.....	2	6	10	11	15
Elopments.....	..	5	7	1	1
Transfers.....	..	1	3	..	..
Remaining on register.....	573	666	729	815	862

	1926-27	1927-28	1928-29	1929-30	1930-31
Admissions.....	275	240	385	307	395
Paroles.....	138	100	121	137	124
Deaths.....	67	68	96	70	59
Deportations.....	13	17	24	21	24
Elopments.....	3	6	4	1	1
Transfers.....	..	..	..	..	..
Remaining on register.....	916	965	1,005	1,083	1,270

	1931-32	1932-33	1933-34	1934-35	1935-36
Admissions.....	285	245	332	318	303
Paroles.....	105	93	108	139	142
Deaths.....	79	77	97	103	80
Deportations.....	15	7	10	2	2
Elopments.....	2	6	8	9	5
Transfers.....	..	..	..	..	..
Remaining on register.....	1,354	1,416	1,526	1,590	1,664

	1936-37	1937-38	1938-39	1939-40	1940-41
Admissions.....	374	372	374	396	386
Paroles.....	159	150	195	216	162
Deaths.....	95	101	93	89	90
Deportations.....	..	..	..	2	..
Elopments.....	4	5	3	1	3
Transfers.....	..	1	3	7	..
Remaining on register.....	1,780	1,895	1,981	2,076	2,207

	1941-42	1942-43	1943-44	1944-45	1945-46
Admissions.....	401	401	415	374	404
Paroles.....	176	212	208	219	218
Deaths.....	85	139	134	126	137
Deportations.....	..	3	1	..	..
Elopments.....	1	2	1	3	2
Transfers.....	..	..	..	..	1
Remaining on register.....	2,346	2,391	2,462	2,488	2,534

TABLE NO. 4—AGE GROUPS

Age Group	Admissions		Paroles		Deaths	
	M	F	M	F	M	F
1- 9.....	1	..	..	..	..	..
10-19.....	8	4	5	5	..	..
20-29.....	33	17	22	12	4	1
30-39.....	29	28	24	9	2	1
40-49.....	13	14	8	5	6	5
50-59.....	22	17	18	12	8	5
60-69.....	32	19	18	9	21	7
70-79.....	19	11	2	2	21	7
80-89.....	7	6	1	3	4	7
90-99.....	2	..	..	..	1	1
Unknown.....	..	..	..	..	..	..
Total.....	166	116	98	57	67	34
Grand Total.....	282		155		101	

TABLE NO. 5—DIAGNOSES.

Diagnoses	Male	Female
Psychoses with syphilitic meningo-encephalitis (general paresis).....	4	1
Psychoses with cerebral syphilis.....	1	1
Psychoses with encephalitis.....	1	1
Psychoses with other infectious diseases.....	3	2
Psychoses due to drugs.....	1	..
Traumatic psychoses.....	2	..
Psychoses with cerebral arteriosclerosis.....	12	12
Epileptic psychoses.....	4	4
Senile psychoses.....	32	23
Involuntional psychoses.....	6	5
Psychoses with Alzheimer's disease.....	..	1
Psychoses with organic changes of the nervous system.....	2	2
Psychoneuroses:		
Anxiety state.....	..	1
Compulsive neuroses.....	..	1
Hysterical.....	1	2
Not differentiated.....	5	4
Manic-depressive psychoses:		
Manic.....	4	5
Mixed.....	2	..
Depressed.....	..	1
Not differentiated.....	2	3
Schizophrenia:		
Simple type.....	2	3
Catatonic.....	12	9
Hebephrenic.....	21	15
Paranoid.....	12	5
Not differentiated.....	13	7
Psychoses with mental deficiency.....	10	7
Undiagnosed psychoses.....	2	1
Without psychoses:		
Mental deficiency, moron.....	24	5
Mental deficiency, imbecile.....	26	16
Mental deficiency, idiot.....	16	17
Epilepsy.....	2	..
Mental deficiency, other types.....	8	7
Psychopathic personality.....	4	..
Not insane.....	..	1
Acute alcoholism.....	2	..
Other types.....	4	2
	240	164

TABLE NO. 6—NATIVITY OF ADMISSIONS—PSYCHOTICS

Country	Male	Female	Country	Male	Female
Austria.....	7	5	Newfoundland.....	1	..
Canada.....	104	71	Norway.....	2	2
China.....	1	..	Poland.....	4	1
Czechoslovakia.....	1	..	Roumania.....	2	..
Denmark.....	2	..	Russia.....	4	2
England.....	14	9	Scotland.....	8	6
Germany.....	1	..	Ukraine.....	1	2
Holland.....	..	1	U.S.A.....	10	13
Hungary.....	..	3	Yugoslavia.....	2	1
Iceland.....	1	..	Unknown.....	1	..
Total.....				166	116
Grand Total.....				282	

TABLE NO. 7—MILITARY PATIENTS ADMITTED

No.	Nativity	Age	Soc. Stat.	Sex	Mental Diagnoses
1.	Denmark	75	S	M	Senile psychosis.
2.	Canada	19	S	M	Psychopathic personality—dull normal.
3.	Canada	23	M	M	Manic-depressive psychosis.
4.	Canada	25	S	M	Schizophrenia, catatonic type.
5.	Canada	25	M	M	Psychoneurosis.
6.	Canada	52	M	M	Without psychosis, multiple sclerosis.
7.	Scotland	69	S	M	Senile psychosis.
8.	Poland	24	S	M	Psychoneurosis.
9.	England	60	W	M	Manic-depressive psychosis, manic type.
10.	Jugoslavia	22	S	M	Schizophrenia, catatonic type.
11.	Canada	26	S	M	Schizophrenia, simple type.
12.	Canada	19	S	M	Schizophrenia, hebephrenic type.
13.	Canada	38	M	M	Schizophrenia, hebephrenic type.
14.	Canada	27	S	M	Psychoneurosis.
15.	England	59	M	M	Psychosis with Pick's disease.
16.	Canada	21	S	M	Manic-depressive, manic with mental deficiency.
17.	Canada	61	S	M	Schizophrenia.
18.	Canada	22	M	M	Dementia praecox.
19.	Canada	27	S	M	Schizophrenia, hebephrenic type.
20.	Canada	22	S	M	Psychopathic personality aggravated by trauma.
21.	Canada	36	S	M	Schizophrenia, catatonic type.
22.	Canada	39	M	M	Manic-depressive, manic type.
23.	Canada	18	S	M	Psychoneurosis, hysteria hyperkinetic type.
24.	Canada	21	S	M	Schizophrenia.
25.	Canada	28	S	M	Schizophrenia.
26.	England	66	M	M	Toxic psychosis with arteriosclerosis.
27.	Scotland	56	M	M	Psychoneurosis.
28.	England	50	S	M	Schizophrenia, paranoid type.
29.	Canada	23	S	M	Schizophrenia.
30.	Canada	50	M	M	Without psychosis, multiple sclerosis.
31.	U.S.A.	33	M	M	Epilepsy with episodic furor.
32.	Canada	54	M	M	Not diagnosed.
33.	Canada	21	S	M	Without psychosis, schizoid personality.
34.	Canada	22	M	M	Dementia praecox.
35.	U.S.A.	53	M	M	Manic-depressive, manic type.
36.	Poland	23	S	M	Schizophrenia, catatonic type.
37.	Canada	46	S	M	Psychosis with mental deficiency.
38.	Canada	54	M	M	Schizophrenia, paranoid type.

	M	F
Remaining in Hospital on May 1, 1945.....	90	4
Number admitted during year.....	38	..
Total.....	128	4
	M	F
Number paroled during year.....	21	3
Number died during year.....	6	..
Removed from register during year.....	27	3
Remaining in Hospital on April 30, 1946.....	101	1

TABLE NO. 8—RACIAL ORIGIN OF ADMISSIONS—PSYCHOTICS

Race	Male	Female	Race	Male	Female
Austrian.....	3	..	Indian (Red).....	1	..
Belgian.....	..	..	Irish.....	17	16
Chinese.....	1	..	Jewish.....	..	1
Czecho-slovak.....	3	..	Negro.....	1	..
Danish.....	3	1	Norwegian.....	5	4
Dutch.....	1	7	Polish.....	4	5
English.....	34	25	Roumanian.....	4	1
Finnish.....	1	..	Russian.....	3	4
French.....	12	3	Scots.....	29	15
German.....	18	15	Swedish.....	2	1
Hungarian.....	..	1	Ukrainian.....	12	15
Icelandic.....	2	2	Welsh.....	2	..
			Unknown.....	8	..
Total.....				166	116
Grand Total.....					282

TABLE NO. 9—DEATHS—PSYCHOTICS

No.	Sex	Age	Immediate cause of death	Predisposition
1	F	65	Fatty degeneration of liver.....	Undiagnosed psychosis.
2	M	57	Chronic myocarditis.....	Schizophrenia.
3	F	64	Uterine carcinoma.....	Senile psychosis.
4	M	67	Lobar pneumonia.....	Psychosis with cerebral arteriosclerosis.
5	F	88	Myocarditis.....	Senile psychosis with arteriosclerosis.
6	M	75	Senile psychosis.....	Senile psychosis.
7	M	67	Ulcerative enteritis.....	Senile psychosis.
8	M	83	Chronic myocarditis.....	Senile psychosis.
9	M	67	Chronic myocarditis.....	Schizophrenia, paranoid type.
10	F	65	Cerebral haemorrhage.....	Psychosis with cerebral arteriosclerosis.
11	F	71	Cerebral arteriosclerosis with psycho- sis.....	Psychosis with cerebral arteriosclerosis.
12	F	90	Senile psychosis.....	Senile psychosis.
13	M	75	Bronchopneumonia.....	Senile psychosis with arteriosclerosis.
14	M	70	Pulmonary tuberculosis.....	Traumatic psychosis.
15	M	79	Senile psychosis.....	Senile psychosis.
16	M	58	Chronic myocarditis.....	Schizophrenia, hebephrenic type.
17	F	79	Senile psychosis.....	Psychosis with paralysis agitans.
18	F	70	Arteriosclerosis.....	Psychosis with cerebral arteriosclerosis.
19	M	48	Brain tumour.....	Without psychosis, brain tumour.
20	F	84	Cerebral thrombosis.....	Psychosis with cerebral arteriosclerosis.
21	M	65	Chronic myocarditis.....	Toxic psychosis.
22	M	67	Senile psychosis.....	Senile psychosis.
23	M	71	Senile psychosis.....	Senile psychosis.
24	M	23	Lobar pneumonia, pericarditis with effusion.....	Schizophrenia, hebephrenic type.

TABLE NO. 9—DEATHS—PSYCHOTICS—*Continued*

No.	Sex	Age	Immediate cause of death	Predisposition
25	M	33	Schizophrenia, catatonic.....	Schizophrenia, catatonic type.
26	M	74	Acute catarrhal enteritis.....	Psychosis with cerebral arteriosclerosis.
27	F	38	Coronary occlusion.....	Schizophrenia, hebephrenic type.
28	M	59	Carcinoma of stomach.....	Schizophrenia.
29	M	41	Peritonitis and ileus.....	Toxic psychosis.
30	M	40	Epilepsy.....	Convulsive disorder, epilepsy with deterioration.
31	M	78	Senile dementia.....	Pre-senile dementia.
32	M	66	Chronic endocarditis.....	Dementia praecox.
33	F	47	Cerebral arteriosclerosis.....	Psychosis with cerebral arteriosclerosis.
34	M	65	Bronchopneumonia.....	Manic-depressive, mixed type.
35	M	69	Bronchopneumonia.....	Psychosis with arteriosclerosis.
36	F	79	Senile psychosis.....	Senile psychosis.
37	M	75	Carcinoma of caecum.....	Senile psychosis.
38	F	68	Senile psychosis.....	Senile psychosis.
39	M	76	Myocarditis and valvular disease.....	Schizophrenia.
40	F	79	Senile psychosis.....	Pre-senile psychosis.
41	F	67	Myocarditis.....	Senile psychosis.
42	M	73	Cerebral haemorrhage.....	Senile psychosis.
43	F	86	Senile psychosis.....	Senile psychosis.
44	F	45	Myocarditis.....	Schizophrenia on defective base.
45	M	78	Chronic myocarditis.....	Psychosis with arteriosclerosis.
46	M	60	Manic-depressive, manic.....	Manic-depressive psychosis, manic.
47	M	72	Carcinoma of urinary bladder.....	Senile psychosis, pre-senile type.
48	F	57	Myocarditis.....	Schizophrenia, hebephrenic type.
49	F	80	Myocarditis.....	Psychosis with cerebral arteriosclerosis.
50	M	81	Chronic myocarditis.....	Psychosis with arteriosclerosis.
51	M	66	Bronchopneumonia.....	Psychosis with encephalitis and cerebral arteriosclerosis.
52	F	22	Epilepsy.....	Psychosis with epilepsy with deterioration.
53	M	69	Lobar pneumonia.....	Schizophrenia, hebephrenic on a defective base.
54	M	87	Arteriosclerosis.....	Senile psychosis with arteriosclerosis.
55	M	66	Pulmonary tuberculosis.....	Schizophrenia.
56	F	64	Diabetes mellitus.....	Psychosis with cerebral arteriosclerosis.
57	M	72	Chronic myocarditis.....	Senile psychosis with arteriosclerosis.
58	M	79	Myocarditis.....	Senile psychosis, paranoid trend.
59	M	33	Tuberculosis.....	Schizophrenia, hebephrenic type.
60	F	69	Pneumonitis.....	Senile psychosis with cerebral arteriosclerosis.
61	M	88	Coronary sclerosis.....	Senile psychosis with arteriosclerosis.
62	M	59	Cancer of colon.....	Schizophrenia, paranoid type.
63	M	51	General paresis of insane.....	General paresis of insane.
64	F	53	Fatty degeneration of heart and liver.....	Involutional melancholia.
65	F	82	Arteriosclerosis with senile psychosis.....	Senile psychosis.
66	M	68	Pernicious anaemia.....	Schizophrenia, hebephrenic type.
67	F	64	Bronchogenic carcinoma with secondary growth in cerebellum and cerebrum.....	Toxic psychosis with uremia.
68	M	94	Senile psychosis.....	Senile psychosis.
69	M	74	Carcinoma of intestines.....	Psychosis with cerebral arteriosclerosis.
70	M	77	Senile psychosis.....	Senile psychosis.
71	F	48	Chronic nephritis.....	Schizophrenia, hebephrenic.
72	M	64	Sepsis—gangrene right and left legs.....	Psychosis with disseminated sclerosis.
73	F	73	Senile psychosis with arteriosclerosis.....	Senile psychosis.
74	M	42	Brain tumour—right sided.....	Psychosis with tumour right temporal lobe.
75	M	21	Pulmonary tuberculosis.....	Schizophrenia, catatonic type.
76	M	68	Senile psychosis.....	Senile psychosis with arteriosclerosis.
77	M	78	Senile psychosis.....	Senile psychosis.
78	M	48	Thrombosis of superior mesenteric artery with gangrenous bowel.....	General paresis of the insane.
79	F	58	Haemorrhagic infarction.....	Psychosis with idiopathic epilepsy.
80	M	46	Progressive cerebral atrophy.....	Psychosis associated with organic changes, progressive cerebral atrophy.

TABLE NO. 9—DEATHS—PSYCHOTICS—*Continued*

No.	Sex	Age	Immediate cause of death	Predisposition
81	F	47	Bronchopneumonia.....	Schizophrenia, paranoid type.
82	F	53	Gastric carcinoma.....	Schizophrenia.
83	M	72	Bronchopneumonia, bilateral.....	Senile psychosis.
84	M	26	Pulmonary tuberculosis.....	Schizophrenia, catatonic.
85	M	65	Bronchopneumonia, bilateral.....	Psychosis with cerebral arteriosclerosis.
86	F	85	Psychosis with arteriosclerosis.....	Psychosis with cerebral arteriosclerosis.
87	F	75	Coronary thrombosis.....	Psychosis with cerebral arteriosclerosis.
88	M	56	Chronic myocarditis.....	Schizophrenia, paranoid type.
89	M	62	Bronchopneumonia.....	Schizophrenia, paranoid type.
90	M	59	Pulmonary tuberculosis.....	Schizophrenia, hebephrenic type.
91	F	45	Epileptic fit with heart failure.....	Psychosis with epilepsy.
92	M	64	Cerebellar haemorrhage, (subarachnoid).....	Manic-depressive psychosis, manic.
93	M	78	Bronchopneumonia.....	Senile psychosis with arteriosclerosis.
94	M	67	Bronchopneumonia.....	Pre-senile psychosis with arteriosclerosis.
95	F	54	Pulmonary tuberculosis.....	Schizophrenia, hebephrenic type.
96	M	75	Myocarditis.....	Senile psychosis.
97	M	57	Myocardosis.....	Senile psychosis.
98	M	23	Pulmonary tuberculosis miliary.....	Epilepsy with deterioration.
99	M	65	Bronchopneumonia.....	Psychosis with cerebral arteriosclerosis.
100	M	74	Pulmonary tuberculosis.....	Schizophrenia.
101	M	61	Manic-depressive psychosis, manic phase.....	Manic-depressive, mixed type.

School Report 1945-1946

Number of days school was open—221 days.

Ages.....	5	6	7	8	9	10	11	12	13	14	15	16	17*	Total
Boys.....	2	1	1	..	3	6	6	5	8	4	2	4	2	44
Girls.....	..	2	..	1	2	2	..	2	3	3	7	1	3	26
														70
											Boys	Girls		Total
Enrolment May 1, 1945.....											41	21		62
Additions.....											3	5		8
Total.....											44	26		70
Paroled.....											6	2		8
Discontinued.....											..	5		5
Died.....											..	1		1
											6	8		14
Enrolment April 30, 1946.....											38	18		56

For about 10 weeks of the term only one classroom was in operation, due to illness or absence of the Assistant. During this time only about 40 of the children attended school.

Thirty-nine of the children attended school all day, ranging from Grade 1 to XI. Fifteen children ranging in age from 5 to 10 are of kindergarten level and attended mornings only. Sixteen boys from 11 to 16 years of age attended afternoons only doing mostly manual work.

Films from the Audio-Visual Branch of the Department of Education were shown once a week throughout most of the term.

The school children put on a program for the hospital in June, 1945; and also participated in the Christmas program and another one in April.

During the winter the children skated at least once a week if weather permitted, also had four sleigh rides. In the summer months outdoor activities consist of softball, hikes and gardening. Only a small garden was planted this year by the pupils due to the anticipated transfer to the Airport.

TABLE NO. 12—MOVEMENT OF MENTAL DEFECTIVES

Month	Admis- sions		Paroled		Deaths		Elope- ments		Deport- ations		Trans- fers	
	M	F	M	F	M	F	M	F	M	F	M	F
1945												
May.....	6	1	3	1	2	1	..	..	..	..	..	..
June	5	3	5	2	1	..	..	..	..	..	..	..
July.....	2	6	8	2	3	..	..	..	..	..	..	..
August.....	8	6	8	3	2	1	..	..	..	..	..	..
September.....	10	4	2	2	1	..	..	..	..	..	..	..
October.....	4	9	3	3	..	1	..	..	..	..	..	..
November.....	8	4	4	3	..	1	..	..	..	..	..	..
December.....	3	1	3	..	3	2	..	..	..	..	..	..
1946												
January.....	4	4	..	2	1	2	..	..	..	..	..	..
February.....	9	3	1	..	..	1	..	..	..	..	..	..
March.....	6	1	1	3	4	3	..	..	..	..	..	..
April.....	9	6	2	2	5	2	..	..	..	..	..	..
Total.....	74	48	40	23	22	14	..	..	..	..	..	..
Grand Total....	122		63		36		..		..		..

TABLE NO. 13—AGE GROUPS—MENTAL DEFECTIVES

Age Group	Admissions		Paroles		Deaths	
	M	F	M	F	M	F
1- 9.....	16	17	2	2	5	8
10-19.....	26	9	14	9	3	1
20-29.....	20	8	16	6	8	4
30-39.....	4	7	1	4	2	1
40-49.....	3	6	4	2	1	..
50-59.....	5	..	3	..	..	..
60-69.....	..	1	..	..	..	..
70-79.....	..	..	..	..	..	..
80-89.....	..	..	..	..	..	..
90-99.....	..	..	..	..	..	..
Unknown.....	..	..	..	..	..	..
Total.....	74	48	40	23	19	14
Grand Total.....	122		63		33	

TABLE NO. 14—MENTAL DEFECTIVES—BIRTHPLACE OF ADMISSIONS

Country	Male	Female	Country	Male	Female
Austria.....	..	..	Newfoundland.....	..	1
Belgium	1	..	Russia.....	1	1
Canada.....	66	41	U.S.A.....	3	2
England.....	3	..	Unknown.....	..	3
Total.....				74	48
Grand Total.....				122	

TABLE NO. 15—MENTAL DEFECTIVES—RACIAL ORIGIN OF NEW ADMISSIONS

Race	Male	Female	Race	Male	Female
Austrian.....	3	1	Irish.....	13	7
Belgian.....	1	1	Jewish.....	..	1
Chinese.....	1	..	Norwegian.....	1	1
Dutch.....	1	4	Polish.....	3	1
English.....	13	7	Russian.....	2	1
French.....	4	2	Scots.....	9	7
German.....	9	5	Swiss.....	1	..
Hungarian.....	1	..	Ukrainian.....	4	5
Icelandic.....	1	..	Welsh.....	1	..
Indian (Red).....	2	..	Unknown.....	4	5
Total.....				74	48
Grand Total.....				122	

TABLE NO. 16—MENTAL DEFECTIVES—DEATHS

No.	Sex	Age	Immediate cause of death	Predisposition
1	F	22	Chronic nephritis.....	Mental deficiency, idiot.
2	M	12	Diarrhoea and enteritis.....	Mental deficiency, idiot.
3	M	21	Mental deficiency, idiot.....	Mental deficiency, idiot.
4	M	24	Pulmonary tuberculosis.....	Mental deficiency, moron.
5	M	16	Pulmonary tuberculosis.....	Mental deficiency, imbecile, Mongolian.
6	M	24	General peritonitis.....	Mental deficiency with epilepsy.
7	M	37	Miliary tuberculosis.....	Mental deficiency, imbecile, Mongolian.
8	F	22	Tuberculosis of left kidney.....	Mental deficiency, moron.
9	M	1	Hydrocephalus, congenital.....	Mental deficiency, idiot.
10	M	5	Hydrocephalus, congenital.....	Mental deficiency with hydrocephalus.
11	M	38	Epilepsy.....	Mental deficiency, idiot.
12	F	8	Mental deficiency, idiot.....	Mental deficiency, idiot.
13	F	6	Macrocephalic idiocy.....	Mental deficiency, idiot, macrocephalic.
14	F	1 $\frac{2}{3}$	Congenital hydrocephalus.....	Mental deficiency, idiot with hydrocephalus.
15	F	5	Enteritis.....	Without psychosis, Pelizeous Merzbacher disease.
16	M	20	Epilepsy.....	Mental deficiency with epilepsy.
17	M	22	Pulmonary tuberculosis.....	Mental deficiency with epilepsy.
18	M	15	Epilepsy with deterioration.....	Mental deficiency, epilepsy with deterioration.
19	F	25	Pulmonary tuberculosis.....	Mental deficiency with epilepsy.
20	M	25	Pulmonary tuberculosis.....	Mental deficiency, imbecile.
21	F	6	Post encephalitis with mental deficiency.....	Mental deficiency, idiot on an organic base.
22	F	30	Pulmonary tuberculosis.....	Pulmonary tuberculosis.
23	M	8	Bronchopneumonia.....	Mental deficiency, idiot.
24	M	23	Hydrocephalus, congenital.....	Mental deficiency, idiot with epilepsy.
25	F	26	Indefinite, possibly peritonitis following acute gastric ulcer.....	Mental deficiency, imbecile.
26	M	42	Angina pectoris.....	Mental deficiency, idiot.
27	F	1	Bronchopneumonia.....	Mental deficiency.
28	M	23	Pulmonary tuberculosis.....	Mental deficiency, imbecile.
29	F	1	Bronchopneumonia.....	Mental deficiency on an organic basis
30	F	17	Bronchopneumonia.....	Mental deficiency.
31	F	5	Bronchopneumonia.....	Mental deficiency, idiot.
32	M	2	Bronchopneumonia.....	Mental deficiency, idiot with Little's disease.
33	M	7	Bronchopneumonia.....	Mental deficiency, idiot.
34	M	15	Bronchopneumonia.....	Mental deficiency, imbecile with epilepsy.
35	M	1	Bronchopneumonia.....	Mental deficiency, Mongolian.
36	M	8	Mental deficiency, idiot.....	Mental deficiency, idiot.

OCCUPATIONAL THERAPY

WOODWORK SHOP

New Work:

Boards, sleeve.....	1	Lamp, floor.....	1
Boards, ironing.....	27	Lamp, table.....	2
Baby cribs.....	2	Milk bottles.....	12
Bookcases.....	7	Racks, magazine.....	1
Beds.....	1	Racks, tie.....	1
Box horse.....	1	Sleds.....	3
Chests, spruce.....	4	Speaker box.....	1
Cabinets, kitchen.....	3	Stands, ashtray.....	8
Clothes racks.....	46	Stands, wash.....	1
Chest drawers.....	9	Stand, plant.....	1
China cabinets.....	3	Springboards.....	1
Chair supports.....	12	Suitcase.....	1
Cedar chests.....	2	Tables, dropleaf.....	3
Coffee tables.....	4	Tables, end.....	5
Cabinets, medicine.....	3	Tables, dining.....	1
Cabinets, smokers.....	8	Tables, bedside.....	4
Chests, trunk.....	24	Wardrobe.....	4
Cabinets, wall.....	1	Wheelbarrows.....	3
Cabinets, radio.....	2	<i>Repair Work:</i>	
Cabinets, record.....	1	Buffets.....	2
Doors, storm.....	1	Chairs, refinished.....	23
Desks.....	2	Cabinet, Sewing machine.....	1
Dinette suite.....	1	Cedar chest.....	1
Frames, picture.....	73	Chest drawers.....	1
Footstools.....	5	Cabinet.....	1
Fire screens.....	1	Desk.....	1
Holders, candlestick.....	1	Dresser.....	1
Hangers, curtain.....	6	Grandfathers Clock.....	1
Hockey sticks.....	83	Hymn boards.....	3
Jeeps.....	1	Lamp.....	1
Kitchen tables.....	7	Stools.....	2
Kiddies chairs.....	32	Tables, repaired.....	12
Kiddies tables.....	13	Tables, rebuilt.....	4
Kiddies cabinet.....	1	Tea wagon.....	1
		Vanity benches.....	2

TAILOR SHOP

Ward Clothes for patients— (articles).....	14,682	Staff uniforms.....(articles).....	625
Private clothes for patients— (articles).....	563	Weekly staff trousers (articles)	1,455

SHOE REPAIR SHOP

Men's shoes soled and heeled (prs.).....	893	Insoles, cork (prs.).....	170
Men's shoes soled (prs.).....	755	Insoles, felt (prs.).....	5
Men's shoes heeled (prs.).....	450	Soft balls repaired.....	8
Ladies' shoes soled and heeled (prs.).....	254	Trusses repaired.....	3
Ladies shoes soled (prs.).....	106	Skates sharpened.....	73
Ladies' shoes heeled (prs.).....	410	New copper rivets (prs.).....	3
Ladies wooden heels (prs.).....	7	New eyelets and hooks (prs.).....	7
Stretching (prs.).....	6	Mitts repaired (prs.).....	2
Sewing (prs.).....	1,312	Bed cuffs, new (prs.).....	5
Patching, shoes (prs.).....	755	Bed cuffs, repaired (prs.).....	7
Patching rubbers (prs.).....	31	Moccasins, repaired (prs.).....	346
Braces repaired.....	86	Heel plates (prs.).....	108
Buckles and straps (prs.).....	22	Belts repaired.....	4
Heel linings (prs.).....	171	Overshoes repaired (prs.).....	8
		Shoes dyed (prs.).....	3

OCCUPATIONAL WORK

FEMALE

Aprons, Children's.....	3	Hot plate mats (sets).....	3
Aprons.....	46	Holders, stocking.....	3
Altar cloth.....	1	Holders, pot.....	16
Buffet sets.....	48	Lunch sets.....	6
Booties (pr.).....	9	Mitts, needle (pr.).....	28
Baby shawls.....	2	Mitts, baby (pr.).....	5
Baby jackets.....	3	Mitts, large (pr.).....	2
Baby outfits.....	15	Pillowcases, baby.....	2
Baby dresses.....	11	Pillowcases (pr.).....	116
Bed Socks (pr.).....	17	Purse.....	1
Boy's set.....	1	Rugs.....	11
Blind pulls.....	24	Runners.....	16
Chair sets.....	43	Slippers (pr.).....	4
Cloths, linen tea.....	21	Serviettes.....	64
Cushions.....	18	Sheets.....	56
Centrepieces.....	25	Scarfs.....	2
Cloths, lace.....	7	Sweaters.....	25
Chesterfield sets.....	28	Socks (pr.).....	107
Caps, baby.....	5	Scarfs, woolen.....	57
Caps, dutch.....	7	Sunsuits.....	2
Collar and Cuff set.....	1	Skirts, knitted.....	1
Doilies.....	189	Soakers.....	11
Doilie sets, glass.....	10	Towels, lipstick.....	10
Egg cosy.....	33	Towels, cotton tea.....	1,222
Fascinators.....	11	Towels, linen tea.....	145
Glove sets.....	1	Towels, hand.....	67
Guest towels.....	55	Tray cloths.....	11
Gloves (pr.).....	3	Toys, stuffed.....	7
Hankies.....	14	Underdrawers.....	1

SEWING ROOM

	<i>New</i>	<i>Repair</i>
Aprons, Tea.....	36	
Aprons, barbers.....	96	
Aprons, nurses.....	866	320
Aprons, work.....	195	1,605
Binders.....	15	
Bags, tea.....	51	78
Bags, laundry.....	467	42
Bibs, nurses.....	374	176
Bloomers.....		87
Belts, nurses.....	256	
Blankets.....		966
Caps, bathing.....	20	
Caps, nurses.....	94	
Caps, cooks.....	38	
Collars, nurses.....	288	62
Cloths, table.....	196	358
Covers, table.....	163	
Curtains.....	111	121
Cuffs.....	250	21
Covers, bed pan.....		48
Cloths, hair cutting.....	13	
Diapers.....	180	
Dresses, strong.....	185	2,229
Dresses, cotton.....		654
Drawers.....		1,866
Gowns, night.....	1,282	2,087
Gowns, dressing.....	40	73
Pyjamas.....		5
Pneumonia jackets.....		38
Pillow cases.....	2,133	4,974
Princess slips.....	44	
Overalls.....		964
Spreads.....		1,808
Sheets.....	3,532	14,877
Shrouds.....	145	

SEWING ROOM—*Continued.*

	<i>New</i>	<i>Repair</i>
Shirts, under.....		1,905
Shirts.....		1,359
Towels, tea.....	3,319	104
Towels, bath.....	2,620	865
Towels, O.R.....	64	
Uniforms, nurses white.....	80	257
Uniforms, nurses blue.....	125	
Uniforms, striped.....	36	
Wrappers, glove.....	2	

MATTRESS SHOP

<i>New Work:</i>		Cushions.....	20
Aprons, ticking.....	85	Covers, bath.....	62
Aprons, rubber.....	12	Covers, extractor.....	82
Bath Covers.....	14	Car cushions.....	1
Bath hammocks.....	30	Couch cushions.....	15
Bags, laundry.....	98	Footstools.....	13
Curtains.....	2	Firescreen.....	1
Drier pads.....	5	Helmet.....	1
Kneelers.....	51	Hammocks, bath.....	125
Mattress, wool.....	39	Hassocks.....	5
Pillows, kapok.....	32	Kneelers.....	28
Pillows, feather.....	65	Mattress casings, strong.....	35
Sheets, strong.....	117	Mattress casings.....	379
Sheets, rubber.....	800	Mattress casings, crib.....	17
Tarpaulin.....	4	Mattress, crib remade.....	390
Roller blinds.....	97	Mattress, wool remade.....	8,382
<i>Repair Work:</i>		Mattress, strong remade.....	2,120
Awnings.....	15	Mattress, crib.....	3
Bed sides.....	16	Pillow casings.....	56
Baby carriages.....	4	Pillows, feather.....	630
Bags, laundry.....	299	Pillows, Kapok.....	555
Bed springs.....	303	Pool tables recovered.....	2
Blinds.....	293	Rugs.....	14
Bench recovered.....	1	Sheets, rubber.....	51
Chair seats.....	96	Sheets, strong.....	486
Chairs.....	55	Sheets, restraint.....	10
Chesterfields.....	16	Settee.....	1
Curtains.....	31	Sand bags.....	6
Couches.....	8	Tennis net.....	1

BEAUTY PARLOUR

Shampoos.....	3,642	Marcel's.....	334
Fingerwaves.....	3,239	Permanents.....	63
Hair cuts.....	4,018		

FARM ACTIVITIES

The following report covers the Weyburn institutional farm for the year ended April 30, 1946:

The buildings are in fair repair. All the implements are in good working condition and in view of the fact that we have our own threshing outfit now, the harvesting of our crop is considerably improved and threshing expenses cut to the minimum.

We harvested a good average crop, but as we are now carrying an increased number of pigs, I would recommend the purchasing of another half section of land. Even with a good average crop, we haven't sufficient grain to feed the live-stock we now have.

During the winter we hauled and spread about 2,500 loads of manure on the gardens and fields. Teams from the farm hauled large amounts of ashes from the Power House as well as lumber and coal.

We have 21 head of horses consisting of 3 pure bred Percheron mares, 7 grade mares, 9 geldings, 1 two year old gelding, and 1 yearling filly. We have 621 pure bred Yorkshire hogs including 5 boars and 59 herd sows.

The following statistics indicate the proceeds of sales of live stock and products, also the amount of crop harvested:

LIVE STOCK

Hogs:

583 (147,865 lbs.) sold to institution kitchen.....	\$ 11,833.20	
196 sold for cash to Public.....	7,389.70	
Premium on Hogs.....	87.00	
Prize money.....	32.25	
	<hr/>	\$ 19,342.15

Fowl:

Supplied to institution kitchen—

448 chickens (2,688 lbs.).....	\$ 403.20	
75 turkeys (872 lbs.).....	130.80	
4,400 doz. eggs.....	942.00	
	<hr/>	\$ 1,476.00

Sold to Fox Farm:

1 entire horse.....	\$ 15.00	
	<hr/>	\$ 15.00

Crops harvested 1945-46:

6,000 bus. barley.....	\$ 2,880.00	
7,000 bus. oats.....	2,380.00	
1,100 bus. wheat.....	660.00	
	<hr/>	\$ 5,920.00

Total.....	\$	26,753.15
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INDUSTRIAL OCCUPATION

The following is the report of work which has been done in the Industrial Occupation Department for the year ended April 30, 1946:

1. The plasterers have attended to all repairs and new work at the Saskatchewan School for Mental Defectives besides attending to 48 requisitions and completing the following work:
2. New concrete floors were laid in 1A and 2A dining rooms also the floors of B kitchens were renewed.
3. Extensive repairs were made in 1B, 2B, 3B and 4B wards.
4. A number of ceiling panels were chiseled off and replastered, and all damage to walls patched before painting.
5. A new walk in refrigerator and time clock room was built and plastered.
6. Brick work was renewed on No. 2, No. 3, No. 4 and No. 5 boilers.
7. General repairs to outside of the building.
8. The tinsmith attended to 650 requisitions besides completing the following work:
9. Made new sterilizer for 5 A.
10. Covered steam pipes on 1A.
11. Nine galvanized iron dust collector frames made.
12. Covered walls and pipes on 5B.
13. Repaired steam table in staff dining room.
14. Repaired electric trucks for 1B dining room.
15. Set up 100 steel lockers.
16. Metal clad wall in butcher shop.
17. Shield for motor made.
18. Repaired gutter on S.E. Wing.
19. Placed refrigerator in morgue.
20. Changed pipes on steam cookers.
21. Made smoke pipe for Hi-way building.
22. Covered pillars on 1A dining room.
23. Cleaned furnaces in 11 cottages.
24. Made boxes and covered shelves in cupboard on 1A dining room.
25. Made new sink for 2B dining room.
26. Lined with metal two plaster boxes.
27. Covered front kitchen table.
28. Covered wall on 1A.
29. Angle iron frame for electric stove.
30. Covered garbage cookers at farm.
31. Six pipe coverings for plumber shop.
32. The plumbers have taken care of 2,144 requisitions besides finishing the following work:
33. This department moved from the original quarters to a temporary wooden structure.
34. Complete renewal of lavatories and sinks in 6A and 8A wards.
35. Replaced low pressure steam return line in N.W. Wing with copper pipe.
36. Made several freight and service trucks for this institution and for the Saskatchewan School for Mental Defectives.
37. Considerable work was done at the Saskatchewan School for Mental Defectives, when that institution was opened, including the heating, sewer and water systems which were put into operation.
38. Replaced steam return line from kitchens and installed new trap.
39. Installed heating system in new garage.
40. Several metal shower stalls removed and replaced with brick.
41. Installed new water distiller in pharmacy.
42. Portion of high pressure steam main replaced and re-arranged.
43. Set up new sink in kitchen.
44. Several radiator guards repaired and altered.
45. All fire fighting equipment kept in good order and fire drills carried out weekly.

46. The painters have taken care of 1000 repair requisitions, besides completing the following work:
47. Repainted the complete interior of annex building.
48. Exterior windows and screens were reglazed and painted on New Wing.
49. Metal domes were scraped and repainted.
50. Painted wards 2B and 4B, corridor and 2B dining room.
51. Painted 1A and 2A dining rooms.
52. Painted interior of No. 4 cottage.
53. Painted 3 new small buildings, garage and plumber's shop.
54. Painted tailor's shop and half of main store.
55. This department's painters worked three weeks in preparation for the opening of the Saskatchewan School for Mental Defectives.
56. Lettered 52 grave markers.
57. The carpentry department has taken care of 315 requisitions besides completing the following work:
58. Made 52 coffins.
59. Repaired 671 pieces of furniture.
60. Built 1 two stall garage.
61. Built plumber's shop.
62. Built building for plumber's storage.
63. Inspected roof of main building and repairs made where necessary.
64. Sharpened 63 pairs of scissors.
65. New refrigerator room built in the store.
66. Large number of locks repaired.
67. Lock system completely gone over and faulty locks replaced.
68. Large number of screens repaired.
69. Made several new screens.
70. The electricians have taken care of 2,299 repair requisitions, besides completing the following work:
71. All motors were dismantled, cleaned and windings varnished.
72. A considerable number of utility outlets were installed in various locations.
73. Two fractional H.P. motors, one 1 H.P. 3 phase and one 3 H.P. motors were rewound.
74. Conduit was installed for telephone on ward 1Ca.
75. Three second-hand domestic refrigerators were completely overhauled and put in working condition.
76. Two commercial refrigerating units were installed at the Saskatchewan School for Mental Defectives.
77. Conduit and wiring installed for circular saw in occupational woodworking shop.
78. Conduit installed at power house for electric arc welder.
79. One 5 K.W. heater was made and installed with necessary wiring at chicken coop.
80. Conduit and wiring installed for morgue refrigerator.
81. Conduit and wiring installed to kitchen for new commercial range.
82. New plumber shops were wired.
83. Conduit and wiring installed at power house for ventilating fan.
84. New weight cables installed on one freight elevator.

GARDENS, GROUNDS AND GREENHOUSE REPORT

The year just ended was not as favourable as the one previous. There were severe frosts in the month of June which destroyed cucumbers, corn, tomatoes and other vegetables.

Owing to the shortage of water and there being no run off in the spring to fill the river, we were unable to water lawns or flower beds. Although the flower beds looked good for a little while, and were admired by the many visitors, they could not stand up to the hot dry days in July and August.

The grounds were kept clean, and roads were maintained during the summer.

The cemetery was also kept free of weeds and more markers were made to replace the wooden crosses.

Gardens were all manured during the winter, 730 loads being used for that purpose.

The following vegetables were produced on the institution premises during the year 1945-46:

Beans, Wax.....	1,322 lbs.
Beets.....	14,783 lbs.
Cabbage.....	16,722 lbs.
Carrots.....	21,694 lbs.
Cauliflower.....	1,654 lbs.
Celery.....	7,690 lbs.
Chard.....	10,719 lbs.
Corn.....	1,425 lbs.
Cucumbers, Field.....	851 lbs.
Cucumbers, Frame.....	724 lbs.
Lettuce.....	2,105 lbs.
Vegetable Marrow.....	6,310 lbs.
Dry Onions.....	5,925 lbs.
Green Onions.....	600 lbs.
Parsnips.....	5,178 lbs.
Peas.....	4,213 lbs.
Potatoes.....	7,994½ bus.
Radish.....	395 lbs.
Rhubarb.....	13,477 lbs.
Spinach.....	4,880 lbs.
Tomatoes, ripe.....	1,017 lbs.
Tomatoes, green.....	260 lbs.
Turnips, white.....	2,605 lbs.
Turnips, Swede.....	43,119 lbs.
Squash.....	60 lbs.
Value.....	\$3,793.00

POWER HOUSE REPORT, 1945-46

The following report covers the power house for the year ended April 30, 1946:

During the year the power plant at this institution has given uninterrupted service.

We used nothing but lignite bug dust fuel during the year, which has worked very satisfactorily. Altogether 15,663.1 tons were consumed in the power plant at a cost of \$27,518.74. This figure shows a decrease of 1,306.4 tons over the year ending April 30, 1939 and a savings in dollars and cents of \$13,212.86 or 32.43%. The cost of bug dust fuel advanced 10c per ton on December 1, 1945. The K.W. hour output increased 43.95% over the same period and the combined water consumption increased 31.43% over the year ending April 30, 1941.

Our K.W. hour output shows an increase of 90,583 K.W. hours over the previous year. The peak load was 360 K.W. hours, this being recorded during the month of January, 1946.

We have a good reserve in our boiler capacity over the present load.

At times our generating units are overloaded. They are worked over each year to maintain their efficiency. No. 2 unit was fitted with oversize piston valves. It is now working satisfactorily. We rebuilt No. 2 air pre-heater using old 4 in. boiler tubes and it is giving excellent results.

All other machinery is in a good state of repair.

The following is statistical information in connection with this department:

POWER HOUSE COST FOR FISCAL YEAR ENDED APRIL 30, 1946

15,686.35 tons lignite bug dust.....	\$ 27,556.64
299.8 tons lignite cobble.....	888.22
2 tons bituminous slack.....	2.00
Total salaries paid in power house.....	34,426.48
Total oil and grease.....	665.58
Supplies, repairs and replacements.....	13,269.20
Sundry supplies.....	293.00
Water purchased by power house.....	271.50
	<hr/>
	\$ 77,372.62

POWER HOUSE CREDITS FOR FISCAL YEAR ENDED APRIL 30, 1946

Heat.....	\$ 40,157.71
Power.....	19,836.65
Light.....	16,450.14
21.25 tons lignite bug dust to staff.....	37.90
299.8 tons lignite cobble to staff and buildings.....	888.22
2 tons bituminous slack to staff.....	2.00
	<hr/>
	\$ 77,372.62

COAL CONSUMPTION POWER HOUSE, YEARS 1945-46

Year ended April 30, 1945—	Year Ended April 30, 1946.—
Total for year..... 15,350.6 tons	Total for year..... 15,665.1 tons
Increase 1946..... 314.5 tons	—Percentage increase 1946, .02%

K.W. HOURS OUTPUT POWER HOUSE, YEARS 1945-46

Year ended April 30, 1945—	Year ended April 30, 1946—
Total for year..... 1,437,130 K.W.H.	Total for year..... 1,527,713
Increase 1946..... 90,583 K.W.H.	—Percentage increase 1946, 6.3%

INSTITUTIONAL WATER PURCHASED

Year ended April 30, 1945—	Year ended April 30, 1946—
Total for year..... 8,804,110 cu. ft.	Total for year..... 8,758,570 cu. ft.
Decrease 1946..... 45,540 cu. ft.	—Percentage decrease 1946, .51%
8,758,570 cu. ft. at .15c per 100 cu. ft.....	13,137.86
Meter rent.....	120.00
	<hr/>
	\$ 13,257.86

During the year ended April 30, 1946, 257,256 cu. ft. of gravel pit water was pumped to the laundry and power house, and 645,000 gallons to the greenhouse, lawns and barns.

School for Mental Defectives

COMMISSIONER OF MENTAL SERVICES,
Weyburn, Sask.

Dear Sir:

I am submitting herewith a report on the development of the Saskatchewan School for Mental Defectives, located at the former airport, 4 miles northeast of the City of Weyburn, and am attaching hereto the reports of the various heads of the departments upon the work done during the period from November, 1945, to April 30th, 1946.

Arrangements were completed in the early Fall of 1945 whereby a certain proportion of the buildings at the airport were made available for the care and training of mental defectives.

In November, 1945, reconversion operations were begun and during the last week of November I moved to the airport with the office of the Commissioner of Mental Services, in order that the work of reconversion might be carried on as speedily as possible. At the same time 52 male patients were brought over from the Weyburn Mental Hospital who could assist the Public Works' staff in the reconversion and repairing sewer and water lines. At the end of the fiscal year, April 30th, 1946, we had a patient population of 205 with an attendant staff of 35.

It appears that the buildings available on this site will prove reasonably suitable for the care and training of certain types of mental defectives, but will not meet the need in caring for the lower grade patients who are unable to learn habits of personal cleanliness, inasmuch as the type of construction of the floors and walls does not lend itself to the care of this type of patient.

Yours very truly,

R. O. DAVISON, M.D.,
Superintendent.

SEWING ROOM

	New	Repair	Alterations
Aprons, cooks'		14	
Bags, laundry	54		
Bags, tea	210		
Blankets		3	
Curtains	157		
Drawers		42	
Masks, painters'	8		
Overalls		68	
Pants		59	
Sheets	298		
Shirts, top		24	
Shirts, work		85	
Towels, bath	187		
Towels, tea	210		
Undershirts		62	
Uniforms, nurses' white		8	36
Uniforms, cooks'		26	18
Uniforms, white coats			8
Uniforms, pants			19
Sewing Tags on Blankets	300		
Sewing Tags on Sweaters	48		

ELECTRICIAN'S REPORT

Buildings Nos. 1, 3, 4, 5, 7, 8, 9, 10, 11, 13, 14, 18, 23, 24, 25, 26, 30 and 33 when opened for use were re-connected for light and power.

All the electrical equipment in connection with the heating in these buildings was overhauled and connected for service.

In Building No. 1, when partitions were removed or altered, electrical changes were made accordingly.

A 550V service was installed and two 550V carpenter machines connected.

All street light bulbs and fire alarm bulbs were replaced.

All overhead light and power lines were tightened and sixteen leaning poles were guyed.

No. 3 Building was converted into suites and electrical changes made accordingly. To provide power for electric ranges in suites a 50 KVA transformer was mounted and installed in the vicinity of the building concerned.

Feeders were run the length of two poles and separate services run in to each suite.

2 suites were made in No. 10 Building and electrical changes were made accordingly.

Similarly, with the suite in No. 13 Building, separate services for ranges were required as in the two suites in No. 10 Building.

New batteries were installed in Pump House and the Fire Alarm Control Box.

A 16 mm. projector was installed in the Recreation Hall.

A compressor was installed in the Garage.

Thermostats and pressure stats on all heating units were checked and set for engineers.

Motor rewound for Garage Stoker.

Heating fan motors in kitchen overhauled, also bread mixer, bread cutter. Dishwasher overhauled and installed.

3 frigidaire Units overhauled and installed.

PAINTER'S REPORT

Building No. 13, which includes 8 business offices, 4 smaller offices, 2 suites, male and female sick quarters, dispensary, dressing and visiting rooms and halls were painted throughout, including walls, ceilings and woodwork. Floors cleaned and polished.

Two suites were re-decorated in Building No. 10.

Buildings Nos. 7 and 8 were re-decorated throughout.

Wax removed from floors which were re-coated with penetrim.

Each building, including dormitories, bathroom, linen locker, patients' lockers, clothing room, visitors' room, day-room and office, will house 140 patients. Redecorated 10 suites, corridors and wash room in Building No. 3.

Cleaned wax from floors and re-coated with penetrim.

Building No. 5 (Male staff quarters) partly completed.

Re-finished office furniture, painted beds, chairs and tables for all 4 large wards, and replaced 200 10 x 14 panes of glass.

Cleaned wax from floors in mess hall and re-coated with 2 coats of penetrim.

HEAT, WATER, LIGHT AND POWER REPORT

That portion of the airport buildings which was taken over for a School for Mental Defectives, was equipped with 12 steam heating boilers and 26 hot air heating units, all stoker fired.

The steam boilers had a heavy coating of scale, corrosion had taken place in the water legs which has reduced the life of these boilers.

The boilers have been cleaned and checked. The boiler water is now being conditioned to overcome its hardness and corrosive action.

Several of the hot air furnaces had been overheated, causing the dome plates and side walls to warp and burn out. These are being dismantled, repaired and rebuilt.

A home-made heat exchanger was built and installed on the steam return line of the main kitchen, which has given wonderful results and considerable saving in fuel as the hot water is now heated with what was formerly waste steam, and also increasing our pure water returns for the boiler.

During the period November to April the School was supplied with water from their two wells, which are situated approximately $1\frac{3}{4}$ miles west of the airport. This water supply is very limited. We also have a supply line direct from the City of Weyburn to the reservoir at the School. 1,021,300 gallons of water were used.

Light and Power was supplied by the Prairie Power Company during November and December. The Saskatchewan Power Commission supplied from and after January 1, 1946. During the above period \$1,908.82 was paid out for light and power.

Lignite stoker fuel was used in all heating units.

A total of 2,069.1 tons of fuel were consumed at a cost of \$5,470.42.

Kitchen ranges used Western hard coal. A total of 76.2 tons were consumed at a cost of \$672.84.

PLUMBER'S REPORT

The plumbers have taken care of 27 repair requisitions and the following work has been completed:

Complete plumbing installation of 9 new suites in Buildings 3, 10, 12.

Radiators and heating lines moved in Building No. 3.

All plumbing and heating replaced in Mess Hall.

New cooling tank installed in Mess Hall.

All hot water heaters taken out, cleaned and replaced, in Buildings Nos. 7, 8, 9, 10, 3, 5, 11.

Repaired breakage in 2-inch water main at Building No. 18.

Installed new curb cock on one-inch main at Works and Maintenance Bldg.

Thawed out 600 feet of 10-inch sewer lines.

Installed two new radiators in Hospital Building.

Installed Hot water tank in Fire Hall.

Repaired air release stations on 2½ miles of water lines to well.

Cleaned all manholes on 3 miles of main sewer to Weyburn.

Installed grease trap in No. 4 Building.

Covered return lines in No. 11 Mess Hall.

Care and maintenance of Pump House.

Re-laid 1,950 feet of new sewer tile, replacing old concrete pipe.

The following buildings have been winterized: Nos. 3, 5, 7, 8, 9, 10, 13, 14, and all heating and plumbing pipes were disconnected and drained, and required connecting and testing. Practically all connections under floor were not properly drained and consequently froze and broke. All had to be repaired.

All radiators had to be connected and tested.

Thawed out with electric thawer 3 separate water mains.

CARPENTER'S REPORT

The carpenters completed the following work:

Put in grade stakes and ledges for grading sewer serving Buildings No. 5, 6, 12, 16, 30.

Reconverted southwest wing of No. 13 Building as a ward to house 30 patients. Toilets, baths, linen, locker and visiting rooms constructed.

Assembled locks from all available sources and salvaged old locks and rebuilt them into a smoothly working Master, Grand Master and Super Grand Master Key system which now controls practically all buildings.

Reconverted buildings into stores, shops, offices, suites, etc.

Reconverted buildings into shops for carpenters, painters, plumbers, electricians, firefighters, etc.

Reconverted hospital building into offices for Superintendent, Secretary, Clinical Director, Business Manager, Superintendent of Nursing, Dentist, Chief Accountant and general offices, also sewing room, all of which have special mastered locks.

Reconverted 3½ large H Blocks into wards for housing 450 patients, complete with necessary offices for staff, linen, locker, dressing and visiting rooms and lockers.

Reconverted part of No. 13 Building into 1 suite, No. 10 Building into 2 suites and No. 3 Building into 11 suites. All except two have three separate rooms with showers or baths.

Trussels were prepared for painters, plasterers.

Step-ladders were made for wards and stores, etc.

What was formerly the hospital kitchen of the airport was reconverted into a dispensary, complete with counter, shelves, cupboards, drawers.

Many of the floors in various buildings were torn up when frozen water pipes had to be repaired, and these were all re-done.

Built porchway on one suite.

General repairs made to numerous doors and locks.

All lockers for patients' wards were re-built from old air force lockers.

Numerous cupboards have been built for suites, offices, etc.

Have assembled chairs and tables from War Assets stock.

A number of doors had to be changed from one size to another, many door openings had to be closed off and many new doors and windows to put in.

Most of the quarter round moulding and door and window stops had to be made as stock was not available to buy.

Re-converted two buildings into quarters for male and female staff, complete with ward robes, showers, etc.

Repaired considerable masonite flooring.

Put in coat rods and hat shelves in all wards.

Built 3 sewer manholes with wood covers complete.

Built special dome-shaped forms in fire box of heating plant in Building No. 4 as a temporary repair to dome sheet, using plybrick.

Removed 1,700 feet of fence from in front of airport and erected it in front of hangars.

Planned and laid out location for 6 new cottages on a crescent east and south of No. 13 Building.

Built new cold air return duct in fire hall.

Set up new screen in Recreation Hall.

Constructed new cloak room in No. 11 Building. Removed partition, closed two door openings and put in two new doors, coat rail, hooks, etc.

Built small temporary smoke-house.

Repaired rack for drying fire hose.

Removed some benches in Motor Transport Building, changed a number of doors and made steps down to mechanics work room.

Repaired numerous polishing blocks.

Built new vegetable bins in No. 11 Building.

Built new set of trays for dishwashing machine.

Made new pattern for new style floor polishing block.

Built in new shelving in store room and refrigeration room in Block 11.
Built new shelving in No. 23 stores building.

Cut openings through 2 walls to allow heating unit to be removed from No. 4 Building for repairs.

Reconverted one building into furniture factory, removing partitions and building machinery bases.

Constructed temporary suite in west end of No. 26 building.

Built new coal storage bin.

Commenced excavation for 6 basements for new cottages.

GARDENS AND GROUNDS REPORT

Very little work was done in connection with gardens and grounds, due to the fact that a groundsman was not appointed until early in the summer of 1946.

Roads about the airport have been cleaned up.

Trees and shrubs were planted as early as possible.

The ground on which the School is located is very alkaline and will need considerable fertilizer and a good deal of working before appreciable results are obtained in the way of garden produce, flowers, etc.

STAFF

Staff employed at the Saskatchewan School for Mental Defectives as at April 30th, 1946, includes casual labourers:

Administrative and Clerical.....	9
Painters.....	11
Carpenters.....	11
Plumbers.....	3
Firemen.....	7
Welders.....	2
Engineers.....	3
Cooks.....	3
Electricians.....	2
Seamstress.....	1
Key man.....	1
Fire Fighters.....	3
Truck Drivers.....	4
Mechanic.....	1
Butcher.....	1

